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METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS

1ST JULY TO 31ST DECEMBER, 1899.

DAILY WEATHER REPORT.

July to December 1899.

E. Weller & Grahams Ltd Litho London

DAILY WEATHER REPORT

for 8 a.m. on Sunday 1st October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb.	Change since Yesterday	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	30·03	48	S	4	b	30·17	+ ·38	42	38	− 3	Z	0	b	*	b	*	50	41	—
	Hernösand	30·23	38	Z	0	b	30·17	+ ·14	38	37	− 2	Z	0	bc	*	b	*	59	32	—
	Stockholm	30·18	48	E	2	c	29·91	− ·24	50	49	+ 4	ENE	6	r	*	c	*	55	43	0·04
	Wisby	30·04	52	SE	4	c	29·80	− ·37	53	53	+ 6	SSE	2	r	*	c	*	55	46	0·24
	Karlstad	30·13	43	NE	2	0	29·83	− ·29	45	44	+ 9	NE	2	r	*	0, r	*	*	*	0·04
	Bodö	30·06	44	W	5	r	30·10	+ ·47	44	42	− 1	E	2	bc	1	r	*	48	41	0·39
	Christiansund ...	30·14	43	Z	0	bc	29·99	− ·02	45	39	− 2	NE	2	bc	3	bc	*	50	37	—
	Skudesnaes ...	29·99	52	E	4	b	29·78	− ·24	51	45	+ 6	NNE	4	0	3	b	*	55	45	—
	Færder (X'iania Fjord)	30·06	50	ENE	4	b	29·75	− ·33	48	45	+ 2	NNE	6	r	3	b	*	50	46	0·12
	The Scaw (Skagen)	29·98	55	ESE	3	m	29·58	− ·46	51	50	0	ESE	5	r	1	m	*	55	50	0·67
	Fano	29·71	51	E	6	r	29·50	− ·42	52	51	+ 4	SW	5	r	*	r	*	59	48	0·12
BRITISH ISLANDS	Sumburgh Head ...	29·92	50	NE	4	0	29·81	− ·13	50	48	+ 2	NE	3	b	4	0	*	52	47	—
	Stornoway	29·78	52	ESE	6	0														
	Wick	29·81	50	ESE	6	0	29·75	− ·10	52	49	+ 1	SE	4	0	6	0	*	52	48	0·10
	Nairn	29·73	48	E	3	r	29·68	− ·13	52	50	+ 11	E	3	r	3	r	*	52	39	0·37
	Aberdeen	29·67	52	ENE	9	orgq	29·66	− ·10	50	49	0	E	7	orgq	8	orgq	0·0	53	49	0·35
	Leith	29·46	52	E	5	rq	29·53	− ·06	51	51	0	E	1	r	*	rq	*	53	47	0·98
	Shields	29·40	52	ESE	4	0	29·52	+ ·08	53	49	+ 1	SSW	1	m	3	r, 0	*	53	46	0·37
	Spurn Head ...	29·38	55	SE	6	c	?	?	51	48	− 3	SSE	3	b	4	c	*	56	47	—
	Loughborough ...	29·30	50	SSW	3	0	29·47	+ ·23	40	40	− 7	SE	1	cmw	*	op, c, bc	*	50	35	0·01
	Malin Head ...	29·41	50	NE	7	r	29·50	− ·13	53	52	+ 3	E	6	oq	4	r	*	54	50	0·42
	Belmullet														*		*			
	Donaghadee	29·32	55	NNE	6	0	29·41	− ·11	53	52	+ 3	E	6	oq	6	0	*	55	?	0·25
	Liverpool (Bidston)	29·25	46	ENE	3	r	29·40	+ ·15	47	44	− 3	E	4	b	?	rm	*	54	43	0·14
	Holyhead	29·24	49	ENE	3	0	29·35	+ ·06	50	48	0	E	3	cp	1	omp, om	*	63	46	0·23
	Parsonstown ...	29·36	47	NW	1	0	29·33	− ·25	49	47	+ 17	NW	1	0	*	c, or	2·1	50	31	0·26
	Valencia	29·46	53	N	4	bcm	29·35	− ·27	53	50	+ 11	NE	4	og	4	bcm	8·7	55	41	0·05
	Roche's Point ...	29·40	52	NNW	5	bc	29·28	− ·28	50	49	+ 6	NNW	3	c	3	bc	*	54	43	—
	Pembroke (St. Ann's Hd.)	29·28	52	WNW	6	0	29·26	− ·11	50	47	0	ESE	4	og	3	0	0·2	53	42	0·06
	Scilly	29·44	53	W	4	c	29·11	− ·36	48	47	− 5	N	6	r	3	c	9·9	57	47	0·66
	Jersey (St. Aubin's) ...	29·51	56	WSW	4	bc	29·22	− ·21	58	56	+ 10	SE	7	cm	5	bc, p	*	58	47	0·28
	Portland Bill ...	29·42	54	W	6	c	29·20	− ·13	54	54	+ 2	ESE	7	0	5	c	*	57	50	0·20
	Dungeness	29·43	53	WNW	4	c	29·45	+ ·22	55	53	0	SE	6	r	6	tlr	*	57	50	0·28
	London (Brixton) ...	29·40	51	S	3	b	29·42	+ ·13	51	50	+ 4	SE	3	ogq	*	cp, 0, bl	1·5	57	45	0·01
	Oxford	29·41	48	W	2	b	29·38	+ ·13	48	46	+ 3	E	2	r	*	r, bl	*	51	42	0·10
	Yarmouth	29·41	54	S	4	c	29·54	+ ·22	54	50	− 1	SE	4	c	4	c	*	56	47	0·04
GERMANY.	Cuxhaven	29·67	52	E	5	0	29·69	− ·15	45	44	− 2	S	5	bc	*	0	*	55	39	0·20
	Berlin	29·71	56	SE	2	b	29·90	− ·04	49	47	− 2	SW	3	b	*	b	*	57	48	0·12
	Wiesbaden	*	*	*	*	*	29·85	+ ·13	48	46	− 3	Z	0	b	*	*	*	57	44	0·04
	Munich	29·89	52	W	5	0	29·99	+ ·19	50	47	− 6	SE	4	b	*	0	*	64	44	—
FRANCE & NETHERLANDS.	The Helder ...	29·54	49	SSE	1	0	29·62		47	46		S	1	b	2		*	57	43	0·35
	Brussels	*	*	*	*	*									*		*			
	C. Gris Nez ...	29·48	51	SW	5	0	29·54	+ ·18	48	46	− 3	SSE	3	0	4	0	*	55	43	0·71
	Paris	29·65	52	S	3	b	29·58	+ ·08	50	50	+ 1	SSE	3	r	*	b	*	58	46	0·04
	Brest	29·51	55	W	2	bc	29·14	− ·38	59	57	+ 7	SW	5	c	4	bc	*	57	48	0·08
	Lorient	?	54	W	4	0	29·25	− ·29	59	59	+ 8	SW	6	c	5	0	*	?	51	0·47
	Rochefort	29·69	59	SW	3	0	29·41	− ·24	63	59	+ 8	S	6	0	*	0	*	63	52	0·12
	Belfort	29·74	49	SSW	3	c	29·81	+ ·15	50	48	+ 3	S	4	bc	*	c	*	53	45	0·24
	Lyons	29·82	55	SW	1	0	29·77	+ ·10	62	57	+ 7	S	3	bc	*	0	*	64	53	0·12
	Nice	29·87	57	E	4	c	29·97	+ ·08	62	55	+ 7	E	2	bc	2	c	*	?	54	0·24
	Perpignan	29·81	62	SE	1	0	29·79	+ ·12	55	54	+ 2	S	1	b	*	0	*	69	52	—
	Biarritz	29·69	61	E	3	0	29·58	− ·15	71	60	+ 14	SSW	5	c	2	0	*	?	54	0·12
SPAN. PEN.	Corunna																			
	Lisbon	29·89	66	SSW	4	0	29·78	− ·22	68	65	+ 5	SSW	5	0	*	0	*	70	63	—
	Azores (P. Delgada)	29·98	68	NNW	4	0	29·91	− ·20	66	60	− 3	N	4	c	3	0	*	75	63	0·08

For Explanation of Columns, see bottom of last page. + *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 1·7 hrs.

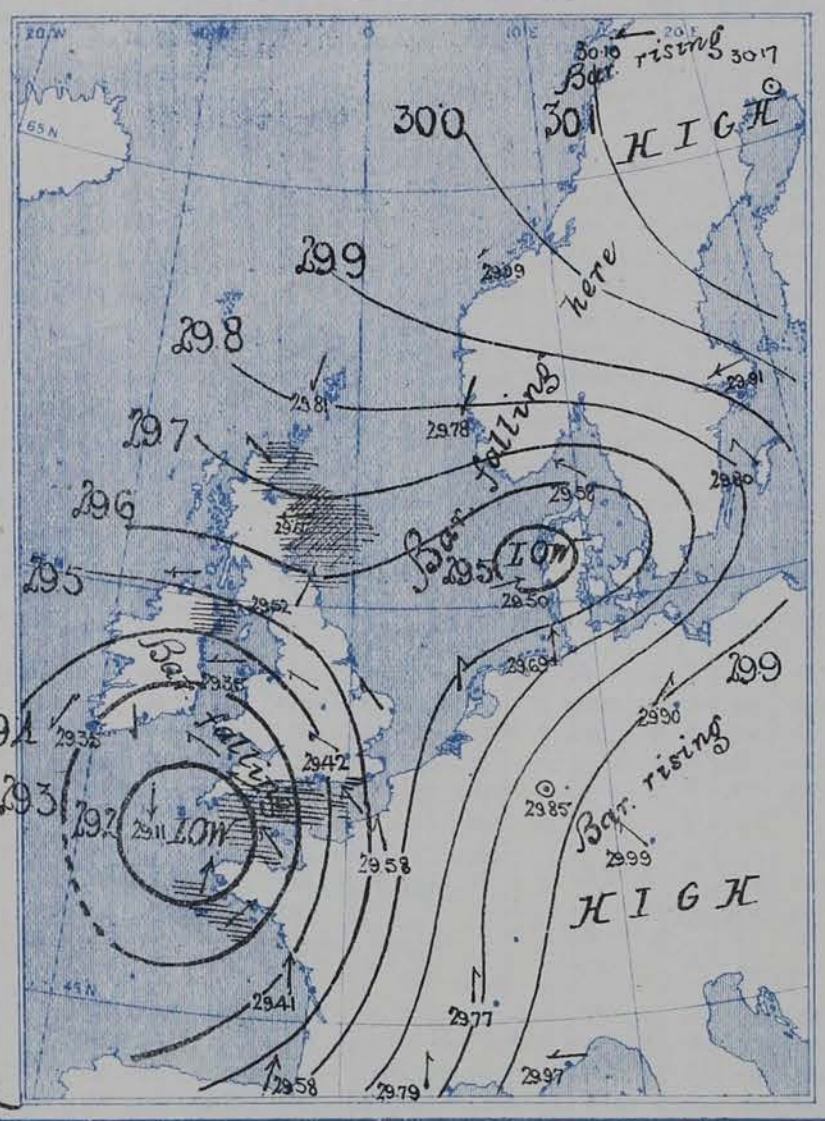
WEATHER CHARTS

FOR Sunday, 1st October, 1899.

BAROMETER, WIND AND SEA.

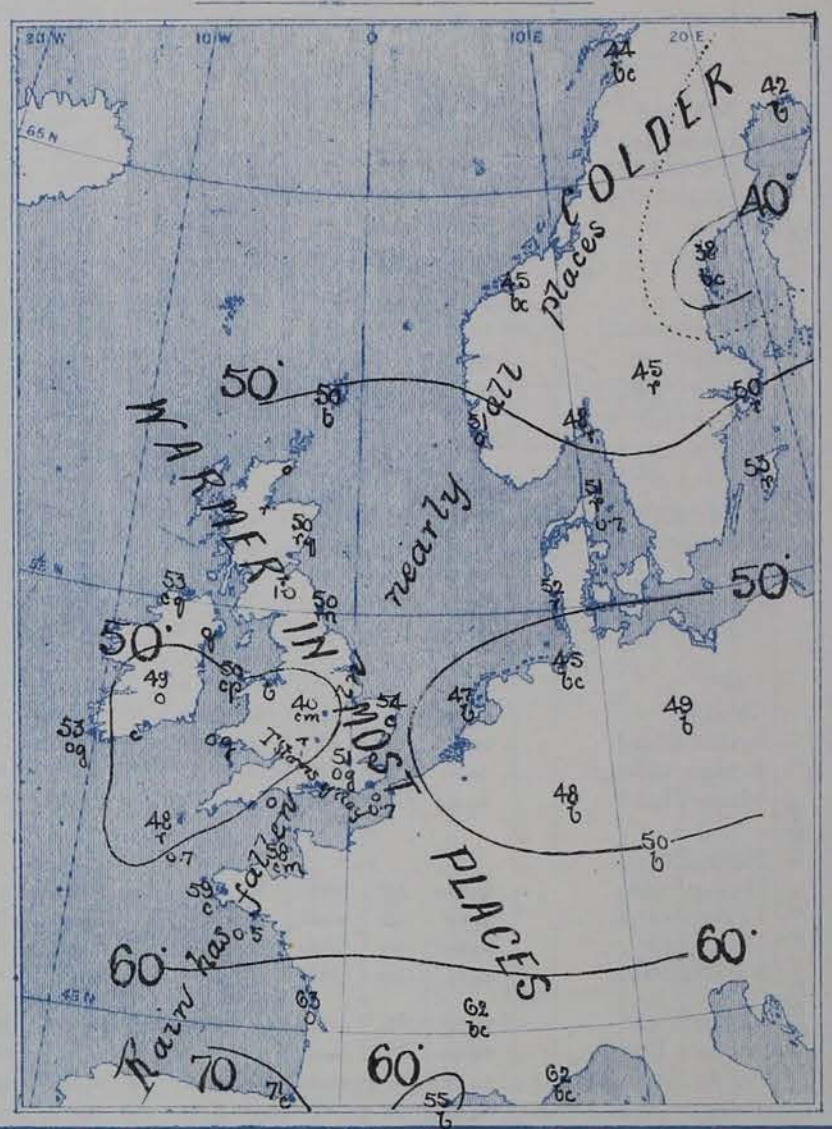
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 29.7 ins. and more to 29.6 ins. over the Spanish Peninsula; (2) 30.0 ins. and more to 29.7 ins. over Austria and the E. of France; (3) 30.1 ins. and more to 29.9 ins. over Finland and the N^rn parts of Scandinavia.
Lowest. About (1) 29.1 ins. in a small depression whose centre lies off the Lizard; 29.5 ins. and less in another over Holstein.
Gradients moderate to steep and very variable in direction.
Barometer rising over Germany and also over N^rn Europe, falling generally in our Islands.

TEMPERATURE

Highest 71° at Biarritz, 62° in the SE. of France, 50° to 53° at many of the coast stations.
Lowest 38° at Hernösand, 42° at Haparanda, 45° at Christiansund, 40° at Loughborough, 48° at Oxford.
A frost was experienced on the ground at Loughborough & in the shade at Parsonstown during the night.

WIND

(1) Strong from S. in the west of France, fresh from between S. and E. over England, moderate N^ly in the south of Ireland, fresh N^ly at Scilly.
(2) Over northern Europe, Scotland and the north of Ireland the wind was in the main E^ly and in many places strong.
It blew a strong gale from E. in the east of Scotland yesterday.

WEATHER

Fair in the N. of Scandinavia and the SE. of France, very unsettled over our Islands, the North Sea and S. of Scandinavia, with rain in many places.
Lightning seen in London and Oxford last night and a thunderstorm occurred at Dungeness. Rain has fallen to the depth of an inch in the SE. of Scotland.
Bright Sunshine recorded yesterday was 0.0 hr. at Aberdeen; elsewhere it ranged from 0.2 hr. at Pembroke to 9.9 hrs at Scilly.

SEA

Very high at Aberdeen, rough at Wick, Donaghadee and in the English Channel, as well as off the SW. coast of Brittany.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 2nd OCTOBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	The North Cone is still flying in districts 1, 2, 3, 6 & 7.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Stadesnaes ...	30.02	55	46	ENE	4	b	2
Sumburgh Head	29.94	51	47	NE	4	c	5
Stornoway... ...	29.80	55	49	ESE	4	c	4
Aberdeen	29.67	49	48	ENE	9	c r g q	8
Shields	29.36	53	52	ESE	5	r	5
Malin Head ...	29.48	51	49	NE	6	r	5
Belmullet							*
Holyhead	29.20	52	50	~~NE~~	3	c m p	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.52	54	48	N	4	b c m	4
Scilly	29.46	54	51	NNW	4	c	3
Jersey	29.47	58	56	WSW	5	b c	4
Portland Bill ...	29.35	57	52	W	7	c	5
Dungeness ..	29.39	54	52	SW	5	r	5
London (Westminster)	29.32	56	50	SW	3	o	*
Yarmouth ...	29.35	56	52	S	5	c	5
Rochefort ...	29.69	61	54	NW	5	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and quiet over Russia, foggy over Germany, fair over the Mediterranean, very rough and unsettled over the British Islands and their neighbourhood, dull and squally as a whole, and raining in many places – most in the north of Great Britain and northeast of Ireland. Rain reported later all over western and northwestern Europe, and a little in Germany, 0·98 in: at Leith, 0·71 in: at Cape Gris Nez, and 0·66 in: at Scilly; lightning seen over many parts of England, and a thunderstorm occurring at Dungeness.

Temperature risen over Russia and England, fallen in Ireland. Morning readings highest (1) 75° at Algiers, 72° at Brindisi, 70° at Palermo, 59° at Marseilles and Syhorn, 55° to 51° in the west of France and the shores of the English Channel; (2) 56° at St. Petersburg, 54° at Kharkov, 51° at Moscow. Lowest (1) 40° at Haparanda, 45° at Haparanda and Boö, 48° at Lerwick 11h; (2) 32° at Varonstovar, 41° at Valencia. Not touching 60° in any part of our Islands or their neighbourhood during day, but rising to 64° at Lyons & 70° at Lisbon.

Wind (1) Completely cyclonic in our Islands, SE in the northeast of England, and blowing hard; NE very strong in the east of Scotland and over the Irish Sea. NW, strong to fresh on our southwest coasts, SW in the southeast. Freshening considerably in the Straits of Dover later, but moderating on our east coast. Blowing hard at Aberdeen and over the north of Ireland.

Barometer highest 30·43 in: at Moscow, and exceeding 30·1 in: over Russia and nearly the whole of the Baltic; above 30·0 in: in the southwest of Spain. Lowest between 28·2 in: and 29·3 in: in a very complex depression immediately over England, and below 29·7 in: in a V shaped disturbance over the southwest of France. English depression moving southwards slightly later, and pressure increasing over France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France, at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 2nd October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	30·01	38	2	0	b	29·67	− ·50	39	39	− 3	NE	2	r	*	b	*	48	37	0·43
	Hernösand	29·77	46	NE	6	r	29·73	− ·44	47	46	+ 9	SW	2	c	*	r	*	50	30	0·55
	Stockholm	29·83	48	SW	2	b	29·86	− ·05	51	50	+ 1	SE	2	o	*	b	*	54	46	0·12
	Wisby	29·90	51	SW	4	b	29·87	+ ·07	56	53	+ 3	S	4	bc	*	b	*	56	48	—
	Karlstad	29·62	51	SSE	8	o	29·68	− ·15	48	47	+ 3	NE	4	r	*	o	*	*	*	0·59
	Bodö	29·89	44	2	0	b	29·67	− ·43	44	40	0	E	2	c	1	b	*	48	41	—
	Christiansund ...	29·64	48	SE	3	bc	29·56	− ·43	43	41	− 2	SE	1	bc	2	bc	*	52	39	—
	Skudesnaes ...	29·65	51	SE	2	bc	29·53	− ·25	48	46	− 3	NE	2	r	2	bc	*	55	46	*
	Færder (X'iania Fjord)	29·63	45	NNW	5	bc	29·62	− ·13	48	48	0	ENE	4	r	2	bc	*	48	45	1·66
	The Scaw (Skagen)	29·70	52	SW	2	r	29·55	− ·03	54	54	+ 3	S	5	m	1	r	*	54	50	0·43
	Fanö	29·66	51	SW	4	o	29·50	·00	56	55	+ 4	SSE	5	o	*	o	*	59	52	0·32
BRITISH ISLANDS	Sumburgh Head ...	29·67	48	NE	3	c	29·59	− ·22	45	41	− 5	N	2	o	4	c	*	53	43	—
	Stornoway																			
	Wick	29·71	51	NE	4	c	29·62	− ·13	49	45	− 3	N	4	o	2	c	*	55	45	—
	Nairn	29·66	50	E	2	c	29·69	+ ·01	48	46	− 4	NNW	2	o	2	c	*	53	45	0·03
	Aberdeen	29·62	49	N	4	c	29·54	− ·12	49	46	− 1	N	6	bcq	6	c	0·0	52	46	0·02
	Leith	29·48	50	ENE	3	r	29·55	+ ·02	49	45	− 2	NNW	2	c	*	pq	*	52	47	0·35
	Shields	29·43	52	NE	3	r	29·35	− ·17	48	48	− 2	NNE	6	r	6	r	*	55	47	1·09
	Spurn Head ...	29·19	55	SE	6	r	29·28	+ ?	51	49	0	WSW	4	o	5	r	*	56	50	0·96
	Loughborough ...	29·15	52	E	2	bc	29·31	− ·16	50	49	+ 10	WNW	2	om	*	rt, cp, o	*	53	40	0·73
	Malin Head ...	29·49	53	E	6	o	29·70	+ ·20	51	49	− 2	N	6	og	5	pq, o	*	54	51	0·06
	Belmullet														*		*			
	Donaghadee ...	29·39	56	NE	4	bc	29·65	+ ·24	52	46	− 1	NNE	5	bc	4	bc	*	56	50	0·02
	Liverpool (Bidston)	29·14	48	NNE	6	o	29·47	+ ·07	49	47	+ 2	WNW	6	r	5	or	*	51	45	0·59
	Holyhead	29·21	50	NE	8	rqm	29·57	+ ·22	52	48	+ 2	N	8	c	6	rqm	*	52	46	1·11
	Parsonstown ...	29·39	50	NW	1	o	29·80	+ ·47	47	45	− 2	NW	1	b	*	o	2·0	54	45	0·01
	Valencia	29·44	56	N	6	bcq	29·91	+ ·56	55	49	+ 2	N	4	cq	5	bcq	3·3	57	50	0·49
	Roche's Point ...	29·33	52	NNE	4	c	29·82	+ ·54	52	50	+ 2	N	4	b	3	c	*	56	48	0·12
	Pembroke (St. Ann's Hd.)	? 29·15	51	NNE	5	o	29·65	+ ·39	51	48	+ 1	N	7	opq	4	o	0·0	52	42	0·41
	Scilly	29·22	53	NW	5	c	29·71	+ ·60	56	53	+ 8	NW	6	c	2	c, b	0·4	56	47	0·61
	Jersey (St. Aubin's) ...	29·22	57	WSW	6	cpq	29·63	+ ·41	58	53	0	W	7	cpq	5	opq	*	67	54	0·07
	Portland Bill ...	29·12	54	WSW	8	o	29·48	+ ·28	55	52	+ 1	NW	7	o	6	o	*	63	51	0·43
	Dungeness	29·26	61	WSW	6	c	29·38	− ·07	57	55	+ 2	WSW	9	r	7	c	*	61	53	0·20
	London (Brixton) ...	29·17	58	SSW	3	c	29·38	− ·04	52	51	+ 1	W	3	og	*	org, c, or	0·2	63	50	0·17
	Oxford	29·13	53	SW	4	o	29·37	− ·01	50	49	+ 2	W	3	oblu	*	blkr, o	*	59	48	0·47
	Yarmouth	29·28	57	SE	5	c	29·28	− ·26	53	52	− 1	SSW	5	r	5	c	*	58	50	0·42
GERMANY.	Cuxhaven	29·69	54	S	3	o	29·57	− ·12	57	56	+ 12	S	4	o	*	o	*	59	45	0·04
	Berlin	29·87	57	SSE	2	b	29·80	− ·10	54	52	+ 5	SE	2	c	*	b	*	63	49	—
	Wiesbaden	*	*	*	*	*	29·84	− ·01	56	56	+ 8	Z	0	r	*	*	*	64	48	0·08
	Munich	29·89	52	E	2	b	29·95	− ·04	53	50	+ 3	W	3	c	*	b	*	64	48	—
FRANCE & NETHERLANDS.	The Helder ...																*			
	Brussels	*	*	*	*	*	29·62		56	52		SSW	5	o	*	r	*	59	47	0·59
	C. Gris Nez ...	29·30	57	SSW	5	o	29·40	− ·14	55	54	+ 7	SW	8	o	8	o	*	65	48	0·39
	Paris	29·50	58	S	4	r	29·73	+ ·15	56	54	+ 6	SSW	4	b	*	r	*	66	50	0·83
	Brest	29·33	55	W	4	c	29·72	+ ·58	57	53	− 2	NW	3	bc	3	c	*	61	50	0·28
	Lorient	29·36	55	WNW	6	c	29·76	+ ·51	58	52	− 3	WNW	5	c	5	c	*	66	52	0·32
	Rochefort	29·49	63	SW	6	r	29·78	+ ·37	62	57	− 1	W	4	c	*	r	*	70	52	0·32
	Belfort	29·70	61	ENE	2	o	29·88	+ ·07	55	54	+ 5	Z	0	r	*	o	*	70	50	—
	Lyons	29·69	68	S	6	o	29·89	+ ·12	64	60	+ 2	ENE	3	r	*	o	*	73	62	0·04
	Nice	30·01	64	E	6	c	30·01	+ ·04	64	57	+ 2	E	3	c	2	c	*	73	61	—
	Perpignan	29·71	73	S	5	o	29·89	+ ·10	64	59	+ 9	W	1	o	*	o	*	82	55	—
	Biarritz	29·66	63	NW	4	r	29·90	+ ·32	63	60	− 8	SSW	3	o	4	r	*	75	61	0·16
SPAIN. PORTUGAL.	Corunna																*			
	Lisbon	29·89	64	SW	2	o	29·95	+ ·17	64	61	− 4	NE	2	o	*	o	*	70	61	0·32
	Azores (P. Delgada)	30·10	66	NE	4	bc	30·17	+ ·20	63	59	− 8	NE	5	o	4	bc	*	73	63	0·04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 1·5 *hrs.*

WEATHER CHARTS

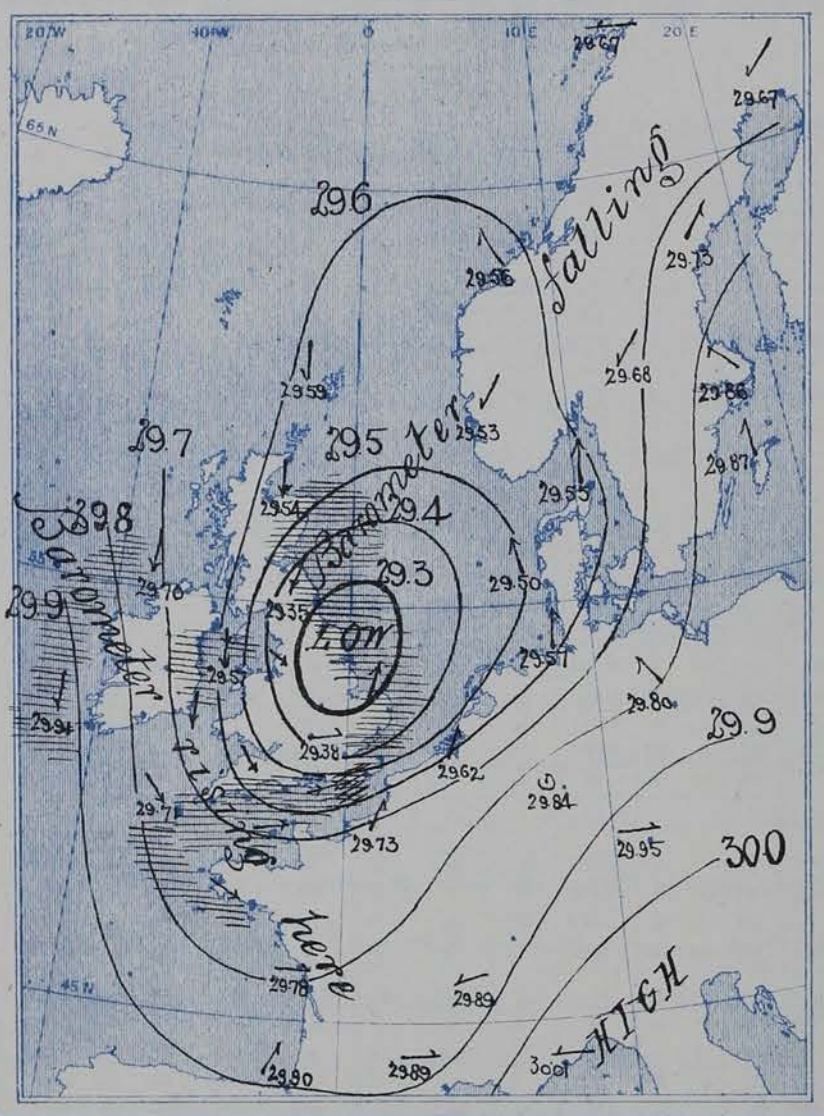
FOR *Monday, 2nd October,* 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

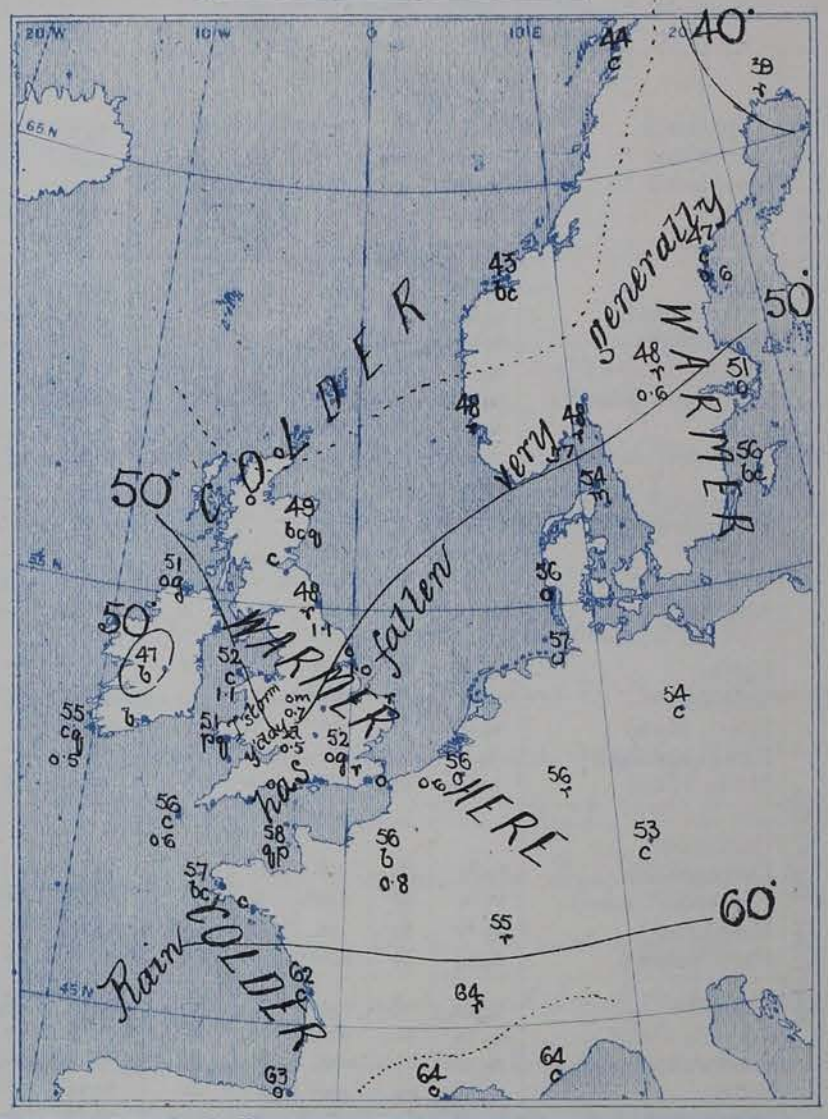
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30.0 ins. and more to 29.9 ins. over the S.E. of France and S. Germany; (2) 29.9 ins. & more off the W. of Ireland.
Lowest 29.3 ins. and less in a depression over Lincolnshire and the adjacent parts of the North Sea.
Gradients steep over the Irish Sea and the Straits of Dover.
Barometer falling at the NE^rn. stations, rising fast in the W. and SW.

TEMPERATURE

Highest 63° to 64° in the SW. and S. of France, 57° at Brest and Cuxhaven, 56° at Paris, Brussels, Cuxhaven and Faro, 55° at Valencia (Ireland).
Lowest 39° at Haparanda, 45° at Lerwick Hd., 49° at Aberdeen, 48° at Shields.
The maxima recorded yesterday touched 63° at some S^rn. stations in England and at Berlin, 66° at Paris, 73° at Lyons and Nice, 75° at Biarritz.

WIND

(1) N^ly. strong in Scotland, and a fresh gale in some parts of the Irish Sea; (2) NW^ly. very strong and squally over the western parts of the English Channel, and S^ly. strong at Yarmouth; (3) In the Straits of Dover a gale is blowing from the SW^rly.

WEATHER

Very rough and squally, with occasional rain, almost all over Gt. Britain, but is improving in Ireland.
Heavy rain has fallen in many parts of Gt. Britain (most in the N. of England) and also at Faerder, smaller, but considerable, quantities elsewhere.
Bright Sunshine amounted to 3.3 hrs. at Valencia, but was very slight over Gt. Britain.

SEA

Very rough on exposed parts of our coast, high at Dungeness.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the NE. seems to be now passing off in a NE^ly. direction, and at present there is no indication of any new disturbance approaching, though the distribution is very unsettled.

FORECASTS

For the 24 hours ending at NOON on 3RD OCTOBER 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	N^ly. winds, strong; squally, showery.
3 ENGLAND EAST	Same as No. 5.
4 MIDLAND COUNTIES	Same as Nos. 0 to 2.
5 ENGLAND SOUTH	W^ly. to NW^ly. winds, strong and squally, but moderating; rainy to fair.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W.	W^ly. and NW^ly. winds, very strong, but moderating; cooler, weather improving.
9 IRELAND NORTH 10 IRELAND SOUTH	N^ly. and NW^ly. winds, strong to fresh; some passing showers.
WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.61	55	49	N	6	b	2
Sumburgh Head							
Stornoway... ...	29.70	58	53	ESE	5	bc	5
Aberdeen							
Shields							
Malin Head ...	29.48	53	52	E	6	o	4
Belmullet							*
Holyhead							
Valencia							
Scilly							
Jersey	29.16	65	59	S	6	cpg	5
Portland Bill ...							
Dungeness ...	29.28	60	59	S	6	r	6
London (Westminster)							*
Yarmouth ...							*
Rochefort ...	29.45	63	61	SW	5	r	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 24TH TO 30TH SEPT.

During all the earlier part of this week and, indeed, until Thursday pressure was highest either over S^rn or SW^rn Europe and depressions continued to reach our N^rn coasts from the Atlantic, while their secondaries passed over the more S^rn parts of the Kingdom. Throughout this time, however, the barometric readings were becoming lower and lower in value over W^rn Europe as a whole, but were rising in the S. of Russia.

On Friday the barometer had risen to 30.5 ins. at Moscow, and more than 30.0 ins. over Russia as a whole; it also stood at 3.15 ins. at Lisbon and exceeding 30.1 ins. over central France. There were shallow disturbances over the S. of Sweden and the NW. of our Islands, but a third system of no great intensity had reached the mouth of the Bristol Channel. The movements of this disturbance during the next two days cannot yet be accurately determined, but it brought heavy continuous rains to many parts of the Kingdom. Winds from nearly all points strong to a gale in force, and very variable temperatures, while E^rn Europe was experiencing fine quiet weather and temperatures in excess of the mean for the time of year.

At the close of the week there was still a disturbance immediately over our Islands, and the weather seemed likely to remain rough and unsettled.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 3rd October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)		At 32° Fahr. and M.S.L.	Change since Yesterday.	Dry Bulb	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max	Min.	
		Ins.	°				Ins.	Ins.	°	°	°									Ins
SCANDINAVIA.	Haparanda	29.63	45	Z	0	r	29.20	−.47	50	49	+ 11	S	6	o	*	r	*	50	36	0.54
	Hernösand	?	51	SSE	6	r	29.17	−.56	51	50	+ 4	S	4	f	*	r	*	52	43	0.59
	Stockholm	29.57	55	SSE	2	o	29.34	−.52	55	52	+ 4	SSW	6	c	*	o	*	59	48	0.20
	Wisby	29.67	55	S	4	o	29.54	−.33	54	52	− 2	WSW	8	o	*	o	*	63	54	—
	Karlstad	29.45	53	WSW	6	b	29.31	−.37	50	47	+ 2	SW	6	b	*	b	*	*	*	0.67
	Bodö	29.32	47	ESE	4	o	29.02	−.65	44	42	0	Z	0	r	1	o	*	52	39	0.08
	Christiansund ...	29.25	47	Z	0	o	29.13	−.43	46	42	+ 3	WSW	2	c	3	o	*	50	43	0.12
	Skudesnaes ...	29.37	48	NNW	4	r	29.44	−.09	50	45	+ 2	WSW	4	c	3	r	*	50	45	*
	Færder (X'iania Fjord)	29.38	55	SSW	5	o	29.35	−.27	50	46	+ 2	SW	6	bc	2	o	*	55	48	0.67
	The Scaw (Skagen)	29.40	55	S	3	m	29.50	−.05	53	49	− 1	W	6	m	2	m	*	55	50	0.28
	Fanö	29.45	52	WSW	8	r	29.73	+.23	54	51	− 2	WSW	6	c	*	r	*	61	50	0.20
BRITISH ISLANDS	Sumburgh Head ...	29.40	48	W	3	o	29.16	−.43	47	46	+ 2	S	3	r	4	r.o	*	48	43	0.21
	Stornoway																			
	Wick	29.52	49	N	4	o	29.16	−.46	51	50	+ 2	Z	0	r	2	o	*	51	45	0.20
	Nairn	29.61	50	WNW	3	c	29.26	−.43	52	52	+ 4	W	5	r	4	c	*	54	46	0.10
	Aberdeen	29.62	48	W	3	c	29.32	−.22	52	49	+ 3	S	4	orgq	4	bcq, c	5.3	52	48	0.09
	Leith	29.80	53	W	3	bc	29.46	−.09	55	52	+ 6	SW	5	o	*	bc	*	59	47	0.01
	Shields	29.72	48	W	3	c	29.65	+.30	55	51	+ 7	SW	3	o	3	or, cm	*	55	45	0.08
	Spurn Head ...	29.76	52	NW	5	o	29.81	+.53	50	48	− 1	SW	5	o	4	o	*	56	47	—
	Loughborough ...	29.86	49	W	2	c	29.94	+.63	50	47	0	SSW	4	o	*	o.bc.cq	*	51	45	—
	Malin Head ...	29.82	52	WSW	5	o	29.51	−.19	55	55	+ 4	SW	6	rsw	4	bc, o	*	55	51	0.11
	Belmullet														*		*			
	Donaghadee ...	29.88	51	NNW	3	bc	29.68	+.03	54	53	+ 2	WSW	5	oq	4	bc	*	54	48	0.03
	Liverpool (Bidston)	29.87	51	W	4	o	29.85	+.38	53	51	+ 4	SW	3	o	4	r.o	*	54	49	0.03
	Holyhead	29.91	52	NW	5	bc	29.86	+.29	54	51	+ 2	SW	5	dm	4	cq, bc	*	54	47	—
	Parsonstown ...	30.01	50	WSW	1	c	29.87	+.07	55	53	+ 8	WSW	2	o	*	c	6.0	58	45	—
	Valencia	30.10	54	WNW	3	c	29.99	+.08	56	55	+ 1	SW	5	rm	5	bcq, c	6.6	57	51	0.06
	Roche's Point ...	30.06	55	NNW	3	bc	30.02	+.20	57	54	+ 5	SSW	5	o	4	bc	*	59	47	—
	Pembroke (St. Ann's Hd.)	29.99	55	NNW	4	c	30.02	+.07	56	53	+ 5	SW	7	oq	5	c	2.5	56	51	—
	Scilly	30.07	56	NW	4	c	30.15	+.44	57	54	+ 1	W	4	c	2	c	7.3	60	53	—
	Jersey (St. Aubin's) ...	29.99	58	WNW	5	c	30.21	+.58	57	51	− 1	WSW	3	c	3	cq, b	*	62	48	0.01
	Portland Bill ...	29.94	55	NNW	5	bc	30.12	+.64	56	53	+ 1	W	5	c	4	o.bc	*	63	52	—
	Dungeness	29.84	53	WNW	4	o	30.08	+.70	57	53	0	W	4	bc	3	c, o	*	58	42	0.22
	London (Brixton) ...	29.90	52	NNW	2	om	30.07	+.69	51	48	− 1	SW	2	b	*	oz, om, b	0.0	52	40	—
	Oxford	29.97	50	W	2	c	30.04	+.67	51	48	+ 1	SW	3	c	*	o, cq	*	54	42	—
	Yarmouth	29.71	51	NW	5	r	29.94	+.66	49	48	− 4	WSW.	4	c	4	cm, r	*	57	43	0.07
GERMANY.	Cuxhaven	29.58	54	SW	6	o	29.86	+.29	51	49	− 6	WSW	4	bc	*	o	*	63	46	0.04
	Berlin	29.84	61	SW	3	b	29.99	+.19	55	51	+ 1	WSW	4	bc	*	b	*	70	54	—
	Wiesbaden	*	*	*	*	*	30.16	+.32	55	52	− 1	SW	3	bc	*	*	*	64	52	0.04
	Munich	30.09	59	SW	2	o	30.26	+.31	52	52	− 1	SSW	4	o	*	o	*	70	52	0.28
FRANCE & NETHERLANDS.	The Helder ...	29.61	57	W	5	c	29.93		55	50		WSW	5	bc	7	c	*	57	54	0.12
	Brussels	*	*	*	*	*	30.13	+.51	50	48	− 6	SSW	3	b		o	*	62	45	—
	C. Gris Nez ...	29.85	54	NW	7	o	30.08	+.68	53	50	− 2	NW	5	b	5	o	*	59	50	0.12
	Paris	29.94	59	SW	3	o	30.27	+.54	46	45	− 10	S	2	b	*	o	*	66	44	—
	Brest	30.09	55	NNW	3	b	30.23	+.51	55	51	− 2	W	2	c	2	b	*	59	48	—
	Lorient	30.05	57	NNW	5	o	30.26	+.50	50	48	− 6	NNW	2	b	3	o	*	66	48	—
	Rochefort	29.98	61	WNW	3	c	30.16	+.38	52	50	− 10	NE	2	m	*	c	*	68	50	—
	Belfort	30.02	53	SSE	1	o	30.23	+.35	51	48	− 4	Z	0	m	*	o	*	63	49	—
	Lyons	30.08	57	ENE	1	o	30.16	+.27	62	56	− 2	NNW	1	bc	*	o	*	66	53	0.28
	Nice	30.01	68	SW	1	b	30.07	+.06	67	60	+ 3	Z	0	b	1	b	*	79	61	—
	Perpignan	30.02	69	NW	2	c	30.18	+.19	63	57	− 1	Z	0	r	*	c	*	77	61	—
	Biarritz	30.02	65	W	3	bc	30.15	+.25	59	59	− 4	ENE	3	c	3	bc	*	68	59	—
SPAN. PEN.	Corunna																*			
	Lisbon	29.96	63	N	3	o	29.99	+.04	66	59	+ 2	NNE	5	o	*	o	*	70	63	—
	Azores (P. Delgada)	30.24	66	NE	4	bc	30.15	−.02	63	58	0	NE	4	c	4	bc	*	72	59	0.16

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College Westminster*

Bright Sunshine yesterday Southport 3.9 *hrs.*

WEATHER CHARTS

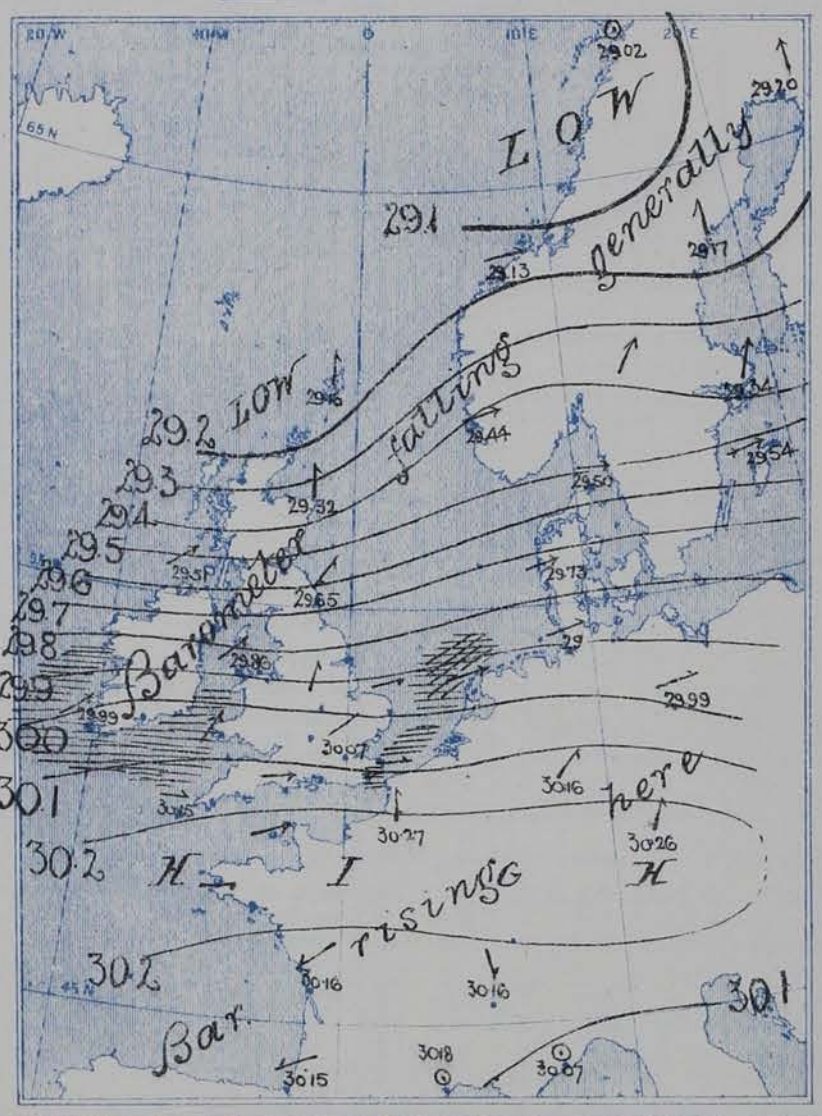
FOR *Tuesday, 3rd October,* 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ➔ : *Force 5 to 7* ➔ : } Calm ⊙
Force 8 to 10 ➔ : *Force 1 to 4* ➔ : }

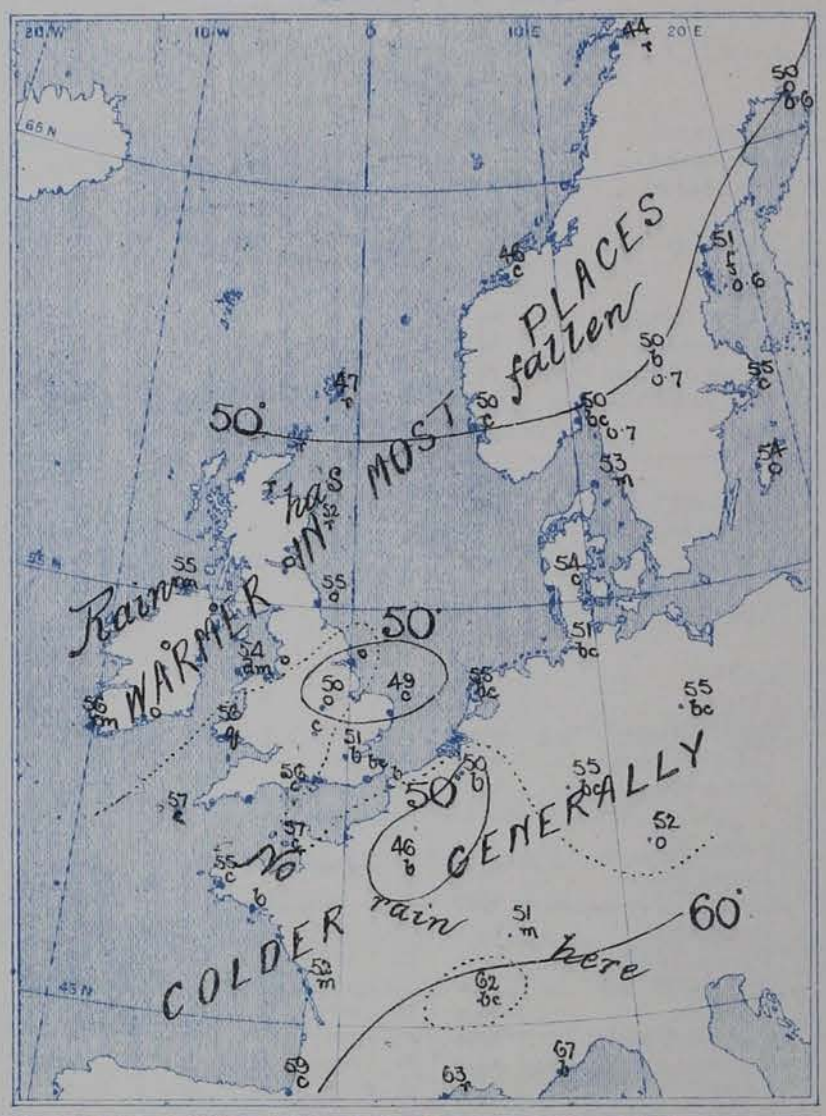
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. to 30.2 ins. and upwards in an anticyclone lying over the English Channel, France and S. Germany.
Lowest 29.1 ins. and less in a depression lying over the N.ern parts of Norway, and also (apparently) in another disturbance off the N. of Scotland.
Gradients steep over the North Sea, Denmark and the more N.ern parts of our Islands, moderate or slight elsewhere. Barometer falling in the W. and N. of our Islands and also in Scandinavia; rising elsewhere.

TEMPERATURE

Highest 67° at Nice, 63° at Perpignan, 62° at Lyons, 59° at Biarritz, and 57° at Roches Pt., Scilly, Jersey and Dungeness.
Lowest (1) 44° at Bodo, 46° at Christiansund, and 47° at Lerwick, (2) 46° at Paris, and 50° at Brussels and Lorient.
The maxima registered yesterday were below 55° in many parts of Gt. Britain, at Wick and Loughborough the thermometer did not exceed 51°.

WIND

Fresh to strong from the SW.ern over northwestern Europe as a whole, but S.ly in the northeast of Scotland, and also over the Gulf of Bothnia.
Light from the N.ern or NE.ern in the west of France; calm in the south of that country.

WEATHER

Fair or fine over the S. and E. of England, as well as at most of the Continental stations, but dull in the north of Scandinavia, with rain at Bodo.
Dull in all the more W.ern and N.ern parts of our Islands, with rain at several of the Irish and Scotch stations.
A little rain fell yesterday in many parts of the United Kingdom & larger quantities in Scandinavia and Denmark.

SEA

High at the Helder, and rather rough at Valencia (Ireland), Pembroke and Cape Gris Nez, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression recently noticed over England has travelled away rapidly to the N.E.ward and N.ward, and is now apparently passing over the N.ern parts of Scandinavia. A new disturbance has, however, appeared off the N. of Scotland, and the present tendency is for an increase in the barometric gradient over the whole of our Islands.

FORECASTS

For the 24 hours ending at NOON on 4TH OCTOBER 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW.ly to W.ly winds, increasing in force; squally, rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	SW.ly and W.ly winds, freshening; fair at first, some rain later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 0 to 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No. 3 to 5.
9	IRELAND NORTH	Same as No. 0 to 2.
10	IRELAND SOUTH	
	WARNINGS	At 10 am today to districts 0 to 2, 6, 7 and 9 Hoist South Cone.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.34	48	47	NE	4	r	3
Sumburgh Head	29.51	45	42	? W	3	o	4
Stornoway... ...							
Aberdeen	29.60	49	43	NW	5	bcq	5
Shields	29.62	51	48	NNW	5	o	5
Malin Head ...	29.81	52	50	NNW	5	bc	4
Belmullet							*
Holyhead	29.80	53	48	NW	7	cq	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30.03	57	52	NNW	4	bcq	5
Scilly	29.93	57	54	NNW	5	c	2
Jersey	29.83	61	55	WNW	6	c	5
Portland Bill ...	29.79	56	51	NNW	6	o	5
Dungeness ...	29.67	55	53	WNW	6	c	5
London (Westminster)	29.70	54	50	NW	5	o	*
Yarmouth ...	29.48	55	52	W	3	cm	4
Rochefort ...	29.90	66	59	NW	3	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning dull and unsettled over NW^rn Europe as a whole, with rain in many parts of England as well as in Denmark and the S. of Scandinavia. Fine in Ireland and also over Italy, Austria and the central and southern parts of Russia; dull over the Spanish Peninsula and the southern parts of France, with rain at Lyons. Slight rain falling later in many parts of the United Kingdom, France and Germany, and larger quantities in Scandinavia and Denmark.

Temperature risen in the central and S^rn parts of the United Kingdom, as well as in Germany, Denmark, Russia and the S. of Scandinavia, fallen elsewhere. Morning reading highest 85° at Algiers, 76° at Barcelona, 75° at Palermo and Malta, above 65° in many parts of S^rn Europe. Lowest 39° at Haparanda, 43° at Christiansund, 44° at Bodö, and 45° at Sumburgh Hd. Daily maxima below 55° in many parts of Gt. Britain, but thermometer exceeding 60° at some of the English Channel stations, and exceeding 65° in France and Germany; reaching 77° at Perpignan and 79° at Nice.

Wind moderate to strong from the N^wd on all our more Western and northern coasts, with a gale at Holyhead. Strong to a gale from the W. or SW. over the English Channel; S^ly or SE^ly over N. Germany, Denmark, the Baltic and Sweden; E^ly in Norway. Light and variable over southern Europe generally; calm or E^ly in the south of Russia. Subsequently backing to the W^wd on many parts of our own western and northern coasts.

Barometer highest 30.3 ins. and upwards over central Russia, 30.1 ins. and upwards in an anticyclone covering nearly the whole of Russia, Austria and Italy. Lowest 29.3 ins. and less in a well marked depression with its centre near the mouth of the Humber. Depression subsequently moving quickly NE^wd across the North Sea and barometer rising briskly over England and the neighbouring parts of the Continent.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday 4th October, **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda ... † ...	29.03	49	S	4	o	28.93	−.27	45	45	−5	ESE	2	r	•	o	•	50	45	0.32
	Hernösand ... † ...	29.23	44	SW	4	bc	28.96	−.23	50	46	−1	SSW	6	b	•	bc	•	52	39	0.39
	Stockholm ... † ...	29.48	52	SW	4	r	29.36	+.02	53	52	−2	SW	6	r	•	r	•	57	50	0.16
	Wisby ... † ...	29.47	51	SW	9	o	29.56	+.02	53	51	−1	SW	10	o	•	o	•	56	48	—
	Karlstad ... † ...	29.26	51	SW	9	o	29.28	−.03	51	48	+1	SW	8	b	•	o, r	•	•	•	0.24
	Bodö ... † ...	29.03	44	WSW	5	c	28.85	−.17	42	39	−2	ENE	1	c	1	c	•	46	39	0.10
	Christiansund † ...	28.84	45	SE	4	r	28.89	−.24	45	43	−1	WNW	1	r	3	r	•	50	42	0.67
	Skudesnaes † ...	29.08	52	WSW	8	c	29.28	−.16	49	43	−1	NW	7	c	4	c	•	52	43	*
	Færder (X'iania Fjord)	29.14	54	SSW	8	o	29.24	−.11	52	47	+2	WSW	8	b	4	o	•	54	50	0.12
	The Scaw (Skagen)	29.32	54	SW	7	r	29.40	−.10	52	50	−1	WSW	5	m	1	r	•	55	50	0.51
	Fanö	29.58	56	S	8	o	29.60	−.13	54	51	0	WSW	6	c	•	o	•	57	54	0.12
BRITISH ISLANDS	Sumburgh Head ...	28.81	46	WSW	6	op	29.34	+.18	47	44	0	NW	4	c	5	c, op	•	52	43	0.46
	Stornoway	29.10	49	WNW	6	o														
	Wick	29.05	49	NW	8	c	29.52	+.36	46	44	−5	NW	6	o	4	c	•	56	40	0.40
	Nairn	29.15	47	W	4	c	29.59	+.33	45	44	−7	W	2	bc	2	c	•	54	41	0.34
	Aberdeen	29.20	49	WSW	6	bq	29.57	+.25	48	43	−4	W	5	bq	3	cqm, bq	1.5	62	42	0.02
	Leith	29.30	51	WSW	3	o	29.66	+.20	46	43	−9	W	3	b	•	o	•	59	42	0.05
	Shields	29.39	59	SW	4	p	29.68	+.03	46	44	−9	WSW	2	c	2	opd	•	61	44	0.01
	Spurn Head ...	29.58	56	SW	8	c	29.74	−.07	51	49	+1	W	4	c	2	c	•	56	47	0.05
	Loughborough ...	29.74	55	SW	5	c	29.81	−.13	50	48	0	W	1	o	•	oq, cpq	•	60	48	0.12
	Malin Head ...	29.42	52	WNW	7	cpq	29.75	+.24	49	45	−6	WNW	3	b	3	rf, o, cpq	•	57	48	0.12
	Belmullet														•		•			
	Donaghadee ...	29.52	52	WNW	4	rpq	29.78	+.10	46	44	−8	NW	3	b	3	rpq	•	59	43	0.37
	Liverpool (Bidston)	29.62	57	SW	6	o	29.78	−.07	51	47	−2	WSW	3	bc	4	o, r	•	61	49	0.17
	Holyhead	29.64	59	SW	6	omw	29.79	−.07	50	47	−4	NW	3	c	2	pd, omw	•	59	47	0.11
	Parsonstown ...	29.68	57	W	2	od	29.84	−.03	39	39	−16	S	1	b	•	od	0.0	59	38	0.16
	Valencia	29.83	57	WSW	6	omw	29.83	−.16	47	46	−9	NE	1	bc	3	omq, omw	0.0	59	43	0.12
	Roche's Point ...	29.84	58	WSW	5	o	29.82	−.20	50	48	−7	NNE	2	bp	3	o	•	59	49	0.05
	Pembroke (St. Ann's Hd.)	29.80	57	WSW	7	r	29.81	−.21	50	49	−6	E	1	rq	4	or	0.0	57	49	0.32
	Scilly	30.02	59	SW	6	o	29.79	−.36	58	58	+1	SW	3	o	4	c, o	5.3	61	54	0.04
	Jersey (St. Aubin's) ...	30.13	60	WSW	4	c	29.94	−.27	58	55	+1	SW	3	cm	3	bc, c, b	•	62	56	—
	Portland Bill ...	29.98	57	W	7	c	29.84	−.28	57	57	+1	W	6	o	6	c	•	59	54	0.02
	Dungeness	29.90	59	WSW	8	cq	29.84	−.24	58	57	+1	WSW	7	rq	6	bc, cq	•	63	56	0.08
	London (Brixton) ...	29.92	57	WSW	3	c	29.82	−.25	58	56	+7	SW	2	o	•	bc, oq, p	5.0	64	51	0.01
	Oxford	29.84	55	SSW	7	o	29.84	−.20	50	48	−1	NW	1	od	•	o, oq	•	60	50	0.02
	Yarmouth	29.78	57	WSW	6	cq	29.80	−.14	52	50	+3	WSW	3	cm	4	cq	•	58	47	0.03
GERMANY.	Cuxhaven	29.81	54	SW	6	o	29.73	−.13	50	51	+2	SW	7	o	•	a	•	57	48	0.04
	Berlin	30.04	52	SW	2	b	29.97	−.02	49	47	−6	SW	4	b	•	b	•	61	46	—
	Wiesbaden	•	•	•	•	•	30.08	−.08	44	43	−11	SW	2	bc	•	•	•	61	39	—
	Munich	30.24	50	SW	2	b	30.16	−.10	45	44	−7	E	1	b	•	b	•	59	41	0.04
FRANCE & NETHERLANDS.	The Helder ...	29.78	57	SW	7	o	29.78	−.15	54	53	−1	WNW	3	r	3	o	•	59	54	0.04
	Brussels	•	•	•	•	•	29.96	−.17	52	48	+2	SSW	2	c	•	b	•	60	48	—
	C. Gris Nez ...	29.93	58	W	7	o	29.89	−.19	57	55	+4	W	6	o	6	o	•	61	53	—
	Paris	30.16	53	SSW	2	b	30.04	−.23	43	42	−3	SE	2	m	•	b	•	62	41	—
	Brest	30.13	58	SW	3	c	29.91	−.32	57	55	+2	SW	3	bc	4	c	•	59	52	—
	Lorient	30.18	57	WNW	3	b	29.99	−.27	55	55	+5	W	3	c	3	b	•	64	50	—
	Rochefort	30.10	61	N	3	bc	29.96	−.20	54	52	+2	N	2	c	•	bc	•	68	48	—
	Belfort	30.17	53	W	3	m	30.10	−.13	42	42	−9	2	0	m	•	m	•	65	40	—
	Lyons	30.20	58	NNE	1	b	30.12	−.04	51	50	−11	W	1	b	•	b	•	68	46	—
	Nice	30.08	64	2	0	f	30.07	.00	64	63	−3	E	2	c	1	f	•	75	63	—
	Perpignan	30.14	62	2	0	o	30.05	−.13	59	57	−4	2	0	o	•	o	•	72	55	—
	Biarritz	30.11	68	E	1	o	29.94	−.21	58	56	−1	ESE	4	bc	2	o	•	70	57	—
SPAN. PEN.	Corunna																•			
	Lisbon	29.96	73	W	2	bc	29.96	−.03	69	64	+3	ESE	3	c	•	bc	•	81	66	0.04
	Azores (P. Delgada)	30.09	64	NE	4	bc	29.98	−.17	62	60	−1	NE	5	c	5	bc	•	68	61	0.39

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

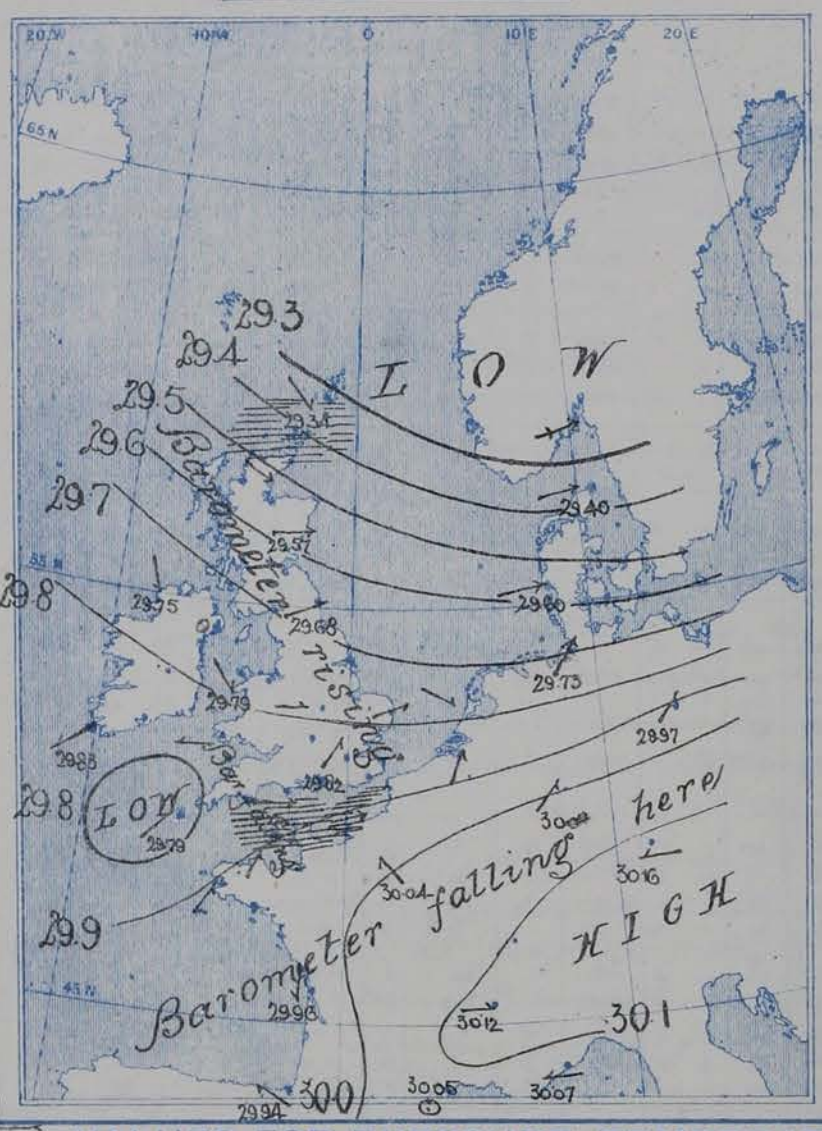
Bright Sunshine yesterday Southport 0.0 *hrs.*

WEATHER CHARTS

FOR Wednesday, 4th October, 1899.

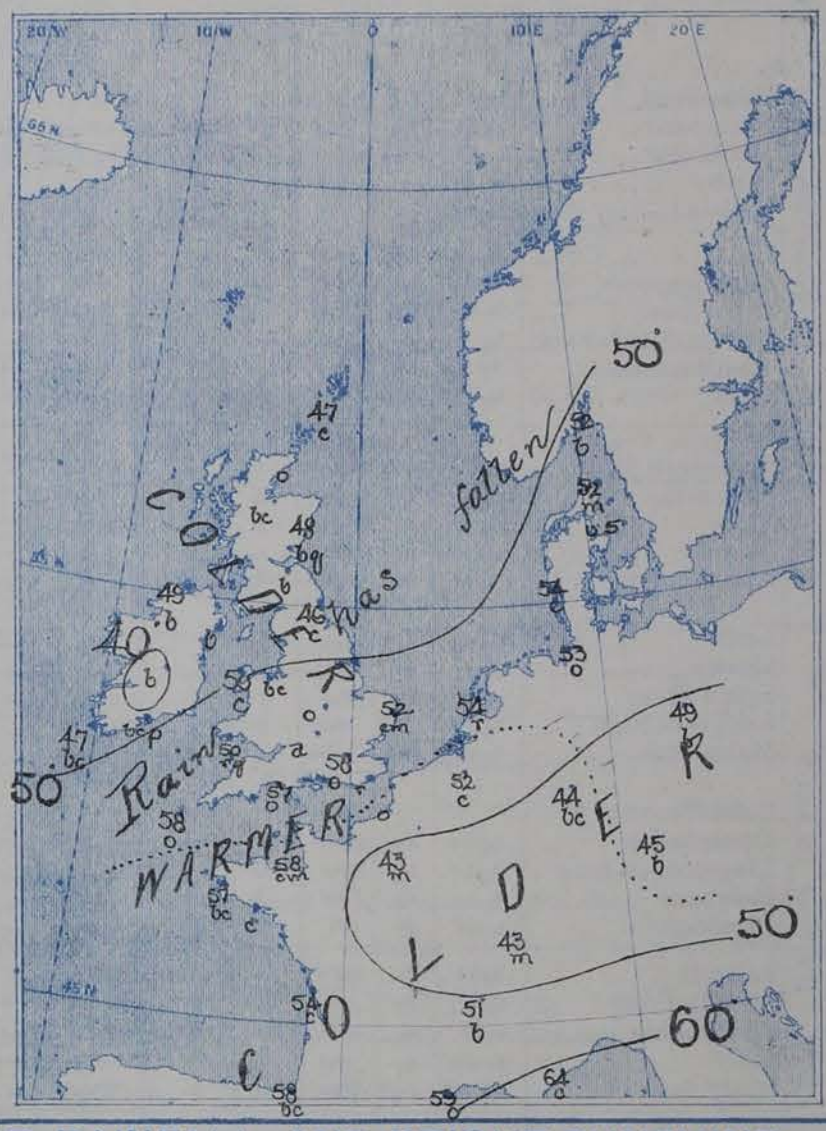
BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and upwards over S. Germany and central France.
Lowest 29.3 ins. and less in a large depression over Scandinavia; 29.8 ins. and less in a small secondary system lying near the mouth of the Bristol Channel.
Gradients slight over our Islands and France; rather steep over Denmark and N. Germany (most of the Scandinavian reports are wanting).
Barometer rising in all but the extreme S.ern parts of the United Kingdom, falling at most of the Continental stations.

TEMPERATURE

Highest 64° at Nice, 59° at Perpignan and 58° in London & at Scilly, Jersey, Dungeness & Biarritz.
Lowest (1) 39° at Parsonstown, and 45° at Nairn; (2) 42° at Belfort, 43° at Paris, & 44° at Wiesbaden.
During yesterday the thermometer rose to 60° and upwards in many parts of Gt. Britain, & to 64° in London.

WIND

W.ly or SW.ly over Gt. Britain as a whole, and also over the north of France, the Netherlands, Denmark and north Germany; strong in force in the eastern parts of the Channel and also on the eastern shores of the North Sea.
Strong from the NW.ly in the north of Scotland, light from the N.ly in Ireland; calm or E.ly in the south of France.

WEATHER

Cloudy or dull over England and the adjacent parts of the Continent, with rain at several of our own S.ern stations, as well as at the Helder.
Fine at present in most other parts of our area, but misty over central France.
Rain fell yesterday over NW.ern Europe generally, – the amount being rather large in the N. of Scotland, and also in Denmark.

SEA

Rough in the Channel, and rather rough at Sumburgh H.d, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression noticed yesterday off the N. of Scotland has moved away to the E.ward, but a small secondary system has appeared near the mouth of the Bristol Channel. The latter disturbance is likely to pass across the S. of England, and strong winds or gales from the W.ward are still probable on our southern coasts.

FORECASTS

For the 24 hours ending at NOON on 5TH OCTOBER 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW.ly winds, strong in places, squally, some showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	SW.ly and W.ly winds, force doubtful; cloudy, unsettled, some rain.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	SW.ly to W.ly winds, strong to a gale on coasts; dull at first, with some rain, improving later.
6 SCOTLAND WEST	NW.ly winds, moderate; fair generally, but local showers.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Same as No. 5.
9 IRELAND NORTH	N.ly and NW.ly winds, moderate; fair generally, but local showers.
10 IRELAND SOUTH	
WARNINGS	At 4 pm yesterday to districts 3, 5, 8 and 10. Hoist South Cone and at 1020 am today to districts 6, 7, 9 and 10. Lower Cone.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.23	51	50	SSE	6	r	3
Sumburgh Head	28.85	50	48	WSW	3	c	4
Stornoway... ...	29.11	56	53	WNW	7	bc	7
Aberdeen	29.16	60	53	WSW	6	cqu	4
Shields	29.44	59	56	SSW	4	cpd	3
Malin Head ...	29.62	53	52	W	7	o	6
Belmullet							*
Holyhead	29.73	58	55	SW	6	cpd	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.90	59	57	WSW	6	omg	6
Scilly	30.09	60	57	SW	6	c	3
Jersey	30.21	60	55	SW	4	bc	3
Portland Bill ...	30.02	59	56	W	6	c	6
Dungeness ...	30.00	62	57	W	6	bc	4
London (Westminster)	29.96	62	53	WSW	4	o	*
Yarmouth ...	29.84	57	53	WSW	5	cq	4
Rochefort ...	30.16	66	63	N	2	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday 5th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	28·95	43	SW	6	o	29·33	+ ·40	40	38	− 5	W	6	b	•	o	•	50	40	0·55
	Hernösand	29·36	44	2	o	b	29·68	+ ·74	39	36	− 11	W	2	bc	•	b	•	57	36	—
	Stockholm	29·64	50	SW	4	b	29·78	+ ·42	48	45	− 5	WSW	4	bc	•	b	•	57	48	0·04
	Wisby	29·79	52	SW	6	b	29·89	+ ·33	51	48	− 2	W	6	bc	•	b	•	54	48	—
	Karlstad	29·60	49	SSW	6	b	29·80	+ ·52	41	39	− 10	NW	2	b	•	b	•	•	•	—
	Bodö	29·17	41	W	7	r	29·23	+ ·38	37	35	− 5	WSW	8	c	5	r	•	43	32	—
	Christiansund ...	29·52	42	WNW	6	r	29·71	+ ·82	41	37	− 4	WNW	8	o•	6	r	•	48	37	0·55
	Skudesnaes ...	29·71	48	NW	6	c	29·97	+ ·69	43	39	− 6	NW	4	c	3	bc, c	•	52	41	*
	Færder (X'iania Fjord)	29·58	51	WSW	7	b	29·84	+ ·60	46	39	− 6	WNW	4	b	3	b	•	55	45	—
	The Scaw (Skagen)	29·74	50	W	4	m	29·91	+ ·51	48	42	− 4	NW	4	b	1	m	•	55	46	—
	Fanö	29·90	54	WSW	3	c	30·01	+ ·41	49	47	− 5	NW	1	c	•	c	•	59	49	—
BRITISH ISLANDS	Sumburgh Head ...	29·80	43	NW	5	o	30·01	+ ·47	42	37	− 5	NW	3	o	4	c, o	•	50	37	0·12
	Stornoway	30·01	40	NNE	3	c														
	Wick	29·94	45	NW	4	r	30·11	+ ·59	40	39	− 6	NW	2	o	2	r	•	50	32	0·15
	Nairn	29·99	45	NW	3	c	30·16	+ ·57	41	39	− 4	W	1	c	1	c	•	51	36	0·02
	Aberdeen	29·94	43·11	NW	3	bc	30·16	+ ·59	42	38	− 6	WNW	2	bw	2	cpq, bc	9·1	50	34	0·02
	Leith	29·90	52	ENE	2	c	30·18	+ ·52	43	41	− 3	N	1	o	•	c	•	58	41	—
	Shields	29·94	52	NE	1	c	30·14	+ ·46	44	43	− 2	N	3	c	3	bc, c, r	•	50	42	0·13
	Spurn Head ...	29·91	53	WSW	1	c	30·08	+ ·34	52	48	+ 1	NE	3	bc	3	c	•	56	47	—
	Loughborough ...	29·94	51	2	o	o	30·13	+ ·32	45	43	− 5	NW	1	cmw	•	op, gm, c	•	54	42	0·01
	Malin Head ...	29·97	50	N	5	bc	30·20	+ ·45	46	42	− 3	NNW	4	b	3	b, p, bc	•	51	44	0·04
	Belmullet														•		•			
	Donaghadee ...	29·98	52	WNW	4	bcp	30·20	+ ·42	47	42	+ 1	NNE	4	b	3	bcp	•	55	45	0·04
	Liverpool (Bidston)	29·97	50	WNW	1	bc	30·15	+ ·37	45	43	− 6	NE	1	b	?	bc	•	55	43	—
	Holyhead	29·96	52	NNE	2	bc	30·14	+ ·35	50	47	0	NNE	3	op	2	bc	•	54	47	0·08
	Parsonstown ...	30·02	46	NW	1	bc	30·30	+ ·46	31	30	− 8	NW	1	b	•	bc	7·5	54	29	—
	Valencia	30·02	51	N	2	b	30·24	+ ·41	47	43	0	NE	3	b	4	b	9·8	57	42	—
	Roche's Point ...	29·98	54	SE	3	bc	30·22	+ ·40	46	42	− 5	NNE	3	b	3	bc	•	57	42	—
	Pembroke (St. Ann's Hd.)	29·94	52	NE	2	o	30·12	+ ·31	52	49	+ 2	ENE	3	b	3	o	0·0	52	47	0·22
	Scilly	29·86	57	NE	5	o	30·05	+ ·26	55	53	− 3	NE	4	c	2	o	0·7	62	53	0·02
	Jersey (St. Aubin's) ...	29·94	61	SW	3	bcm	30·03	+ ·09	53	51	− 5	SSW	2	bcf	2	c, bcm	•	63	46	—
	Portland Bill ...	29·90	57	WSW	4	op	30·03	+ ·19	51	48	− 6	ENE	4	c	4	od, op	•	59	47	0·24
	Dungeness	29·90	58	WSW	4	p	30·00	+ ·16	53	53	− 5	NE	3	p	2	p	•	61	52	0·30
	London (Brixton) ...	29·92	51	ESE	1	ogm	30·07	+ ·25	49	47	− 9	E	2	og	•	opam	0·0	59	47	0·23
	Oxford	29·99	47	E	1	o	30·09	+ ·25	48	47	− 2	N	1	ogr	•	ogr	•	50	46	0·16
	Yarmouth	29·90	51	W	2	cam	30·05	+ ·25	53	50	+ 1	NE	4	c	4	c, am	•	54	48	0·01
GERMANY.	Cuxhaven	29·91	54	SW	2	o	30·00	+ ·27	52	51	− 1	NW	1	o	•	o	•	55	46	0·04
	Berlin	30·01	55	2	o	b	30·04	+ ·07	45	44	− 4	SW	1	b	•	b	•	63	45	—
	Wiesbaden	•	•	•	•	•	30·08	·00	43	42	− 1	SW	1	bc	•	•	•	61	39	—
	Munich	30·12	54	2	o	bc	30·13	− ·03	54	52	+ 9	S	3	c	•	bc	•	63	45	0·08
FRANCE & NETHERLANDS.	The Helder ...	29·98	55	W	1	o	30·02	+ ·24	54	50	0	NNE	1	o	2	o	•	57	50	0·08
	Brussels	•	•	•	•	•	30·04	+ ·08	48	46	− 4	SE	1	c	•	b	•	59	43	—
	C. Gris Nez ...	29·78	57	W	5	o	29·96	+ ·07	56	55	− 1	E	3	o	2	o	•	59	55	0·35
	Paris	30·00	54	SSW	1	b	30·03	− ·01	47	46	+ 4	ENE	1	m	•	b	•	66	43	—
	Brest	29·94	57	SSW	3	c	29·99	+ ·08	52	51	− 5	E	1	c	2	c	•	59	46	—
	Lorient	29·95	59	WNW	2	c	30·00	+ ·01	53	50	− 2	N	2	bc	2	c	•	64	52	—
	Rochefort	29·85	66	NE	2	o	29·92	− ·04	59	55	+ 5	NE	1	o	•	o	•	81	50	—
	Belfort	30·02	59	2	o	c	30·04	− ·06	51	49	+ 9	2	o	c	•	c	•	68	42	—
	Lyons														•		•			
	Nice	30·06	66	2	o	c	30·11	+ ·04	64	58	0	E	1	b	1	c	•	77	61	—
	Perpignan	30·00	61	NE	1	b	30·05	·00	63	59	+ 4	W	1	o	•	b	•	73	55	—
	Biarritz	29·91	69	NW	2	o	29·95	+ ·01	62	60	+ 4	SSE	1	o	2	fl, o	•	81	58	—
SPAN. PEN.	Corunna																•			
	Lisbon	29·89	69	SSW	3	o	29·90	− ·06	66	65	− 3	ESE	3	o	•	o	•	79	64	—
	Azores (P. Delgada)	29·76	64	NNE	4	bc	29·65	− ·33	59	54	− 3	NNW	4	c	3	bc	•	68	59	0·25

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 6·1 *hrs.*

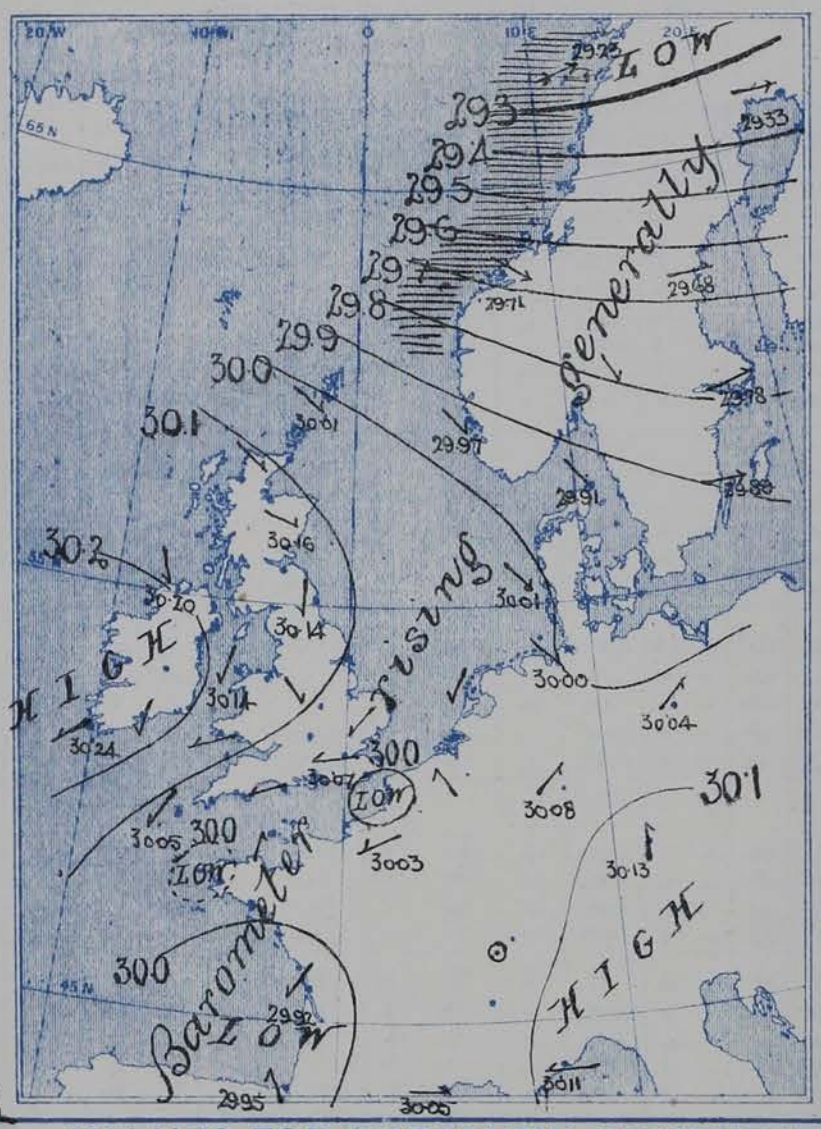
WEATHER CHARTS

FOR *Thursday, 5th October,* 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 : *Force 5 to 7* : } Calm⊙
Force 8 to 10 : *Force 1 to 4* : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards over Ireland; 30.1 ins. and upwards in an anticyclone embracing all the more W^rn. and N^rn. parts of our Islands, and also in another system over Switzerland, S. Germany and the SE. of France.
Lowest 29.3 ins. and less in the N. of Scandinavia; 30.0 ins. and less in several small shallow depressions lying over the English Channel and the N. and W. of France.
Gradients slight generally, but rather steep over the N^rn. parts of Scandinavia.
Barometer rising generally, - most in the N.

TEMPERATURE

Highest 64° at Nice, 63° at Perpignan, 62° at Biarritz, 59° at Rochefort, 56° at Cape Gris Nez, 55° at Scilly.
Lowest (1) 31° at Parsonstown; (2) 37° at Bodö, 39° at Hernösand, 40° at Haparanda and Wick, and 41° at Christiansund and Nairn.
The maxima registered yesterday were below 60° on all but our S^rn. coasts, and below 55° at several of our N^rn. and central stations.

WIND

Light to moderate from the NW^rly. on our northern coasts and also on the eastern shores of the North Sea, but from the NE^rly. over the southern parts of our Islands and the north of France.
Variable in the south of France; light from the S^rly. or SW^rly. in Germany.
W^rly. over the greater part of Scandinavia, with a gale in the west of Norway.

WEATHER

Cloudy or dull over the SE. of England and the greater part of France, with a little rain at Oxford and Dungeness.
Fine in most other parts of our area, but dull in the N. of Scotland and W. of Norway.
A little rain fell yesterday in many parts of our Islands, and larger quantities in the N. of Scandinavia. A thunderstorm occurred at Biarritz.

SEA

Moderate or slight generally, but rough off the W. of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Since yesterday morning a large anticyclone has spread from the Atlantic over the greater part of our Islands. The system is still extending E^rly. and S^rly., and fair cool weather is therefore likely to prevail for a time in most districts.

FORECASTS

For the 24 hours ending at NOON on 6TH OCTOBER 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW^rly. winds, light; fair generally.
1 SCOTLAND EAST	
2 ENGLAND N.E.	N^rly. winds, light; fair generally.
3 ENGLAND EAST	NE^rly. winds, light; local showers at first, then fair; frost inland at night.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as No. 2.
7 ENGLAND N.W.	
8 ENGLAND S.W.	N^rly. and NE^rly. winds, moderate; fair generally.
9 IRELAND NORTH	Same as No. 2.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.63	63	47	W	6	bc	5
Sumburgh Head	29.66	46	44	NW	4	c	5
Stornoway... ...	29.91	48	44	N	5	o	5
Aberdeen	29.80	49	45	NW	5	cpq	3
Shields	29.81	50	49	W	2	bc	2
Malin Head ...	29.91	51	48	NNW	4	b	3
Belmullet							*
Holyhead	29.90	53	49	NW	2	bc	1
Valencia	29.94	56	51	NNE	3	b	4
Scilly	29.82	58	57	NNE	3	o	2
Jersey	29.94	62	55	SW	3	c	3
Portland Bill ...	29.86	57	57	W	5	od	5
Dungeness ...	29.87	58	57	WSW	6	p	5
London (Westminster)	29.88	54	52	SE	2	omg	*
Yarmouth ...	29.86	54	50	NW	2	c	3
Rochefort ...	29.83	77	67	NNE	2	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over England and the N^rn parts of the Continent, with rain at several of our own S^rn stations, as well as at the Helder and in Lapland and Finland. Fine in most of the central and S^rn countries, but dull in the S. of France; fog reported in some parts of Germany and Austria. A little rain falling later in most parts of the United Kingdom, and larger quantities in the N. of Scandinavia.

Temperature risen in the extreme S. of England and adjacent parts of the Continent, but fallen elsewhere. Morning readings highest 80° at Algiers, and 76° at La Calle, above 70° at several of the Mediterranean stations. Lowest (1) 39° at Parsonstown; (2) 40° at Le Mans, and 42° at Belfort and Cracow; (3) 42° at Bodö. Daily maxima below 60° on all but our S^rn coasts, and below 55° at several of our own N^rn and central stations; thermometer exceeding 70° over the S^rn parts of France, and reaching 81° at Biarritz.

Wind W^ly over Gt. Britain as a whole and strong in force in the eastern parts of the Channel; strong to a gale from the SW. over Denmark, the Baltic and the southern parts of Scandinavia; light from the E^wd in the north of Scandinavia. N^ly or NW^ly in Ireland and the extreme north of Scotland. Light from the E^wd over the Spanish Peninsula and the south of France, variable in Italy; calm in Austria and the south of Russia. Subsequently shifting to the N^wd in the western and northern parts of Gt. Britain.

Barometer highest 30.0 ins. to 30.1 ins. and upwards in an anticyclone covering nearly the whole of E^rn, central and S^rn Europe. Lowest 28.9 ins. and less in a large depression with its centre over the N^rn parts of Scandinavia (gradient steep over N^rn Europe generally); 29.8 ins. and less in a small secondary system near the mouth of the Bristol Channel. Depression subsequently travelling away to the NE^wd; secondary system moving S^wd and partially filling up; new anticyclone beginning to spread over our Islands from the W^wd.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday 6th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia	Haparanda	29.46	38	SW	3	bc	29.54	+ .21	33	32	− 7	NW	2	b	•	bc	•	43	33	—
	Hernösand	29.72	34	2	0	b	29.82	+ .14	35	32	− 4	NW	6	b	•	b	•	46	32	—
	Stockholm	29.93	43	2	0	b	29.90	+ .12	37	33	− 11	NW	4	b	•	b	•	54	37	—
	Wisby	29.89	46	W	4	b	29.92	+ .03	44	40	− 7	NNW	6	b	•	b	•	52	43	—
	Karlstad	29.87	40	W	2	b	29.99	+ .19	33	31	− 8	W	2	b	•	b	•	•	•	—
	Bodö	29.33	35	W	7	0	29.69	+ .46	33	31	− 4	NNW	4	bc	2	0	•	39	25	—
	Christiansund ...	29.86	37	NNW	6	0	29.98	+ .27	36	34	− 5	WNW	3	c	4	0	•	44	34	0.71
	Skudesnaes ...	30.02	46	WNW	6	c	30.02	+ .05	42	41	− 1	N	2	c	2	c	•	49	39	*
	Færder (X'iania Fjord)	29.91	46	WNW	4	b	29.99	+ .15	43	37	− 3	WNW	2	b	2	b	•	50	43	—
	The Scaw (Skagen)	29.96	46	NW	4	bc	30.01	+ .10	48	44	0	NW	3	0	0	bc	•	52	37	—
	Fanö	30.12	43	NW	2	r	30.14	+ .13	45	42	− 4	NW	1	c	•	r	•	54	43	0.04
British Islands	Sumburgh Head ...	29.98	45	W	3	0	30.09	+ .08	40	37	− 2	NNE	1	b	4	c, 0	•	49	35	0.10
	Stornoway	30.11	47	WSW	3	r														
	Wick	30.07	45	NW	2	0	30.09	− .02	45	44	+ 5	NW	1	r	1	0	•	48	39	0.08
	Nairn	30.14	43	W	1	c	30.13	− .03	47	45	+ 6	W	1	c	1	c	•	50	39	—
	Aberdeen	30.16	44	W	2	og	30.13	− .03	46	43	+ 4	WSW	1	0	2	c, og	?	47	38	—
	Leith	30.20	48	W	2	bc	30.18	.00	43	41	0	W	2	0	•	bc	•	52	38	—
	Shields	30.21	46	NE	1	p	30.20	+ .06	38	37	− 6	WSW	3	bcm	3	c, p	•	50	35	0.01
	Spurn Head ...	30.16	51	ENE	3	c	30.19	+ .11	47	45	− 5	W	2	c	4	c	•	55	46	—
	Loughborough ...	30.19	48	ENE	1	b	30.25	+ .12	34	34	− 11	ESE	1	f	•	bc, bm, f	•	58	32	—
	Malin Head ...	30.23	47	NW	2	b	30.17	− .03	47	45	+ 1	SW	2	c	2	b	•	50	46	0.01
	Belmullet														•		•			
	Donaghadee ...	30.25	48	N	3	bc	30.23	+ .03	38	37	− 9	SW	3	b	3	bc	•	52	34	—
	Liverpool (Bidston)	30.21	47	NW	2	c	30.22	+ .07	47	43	+ 2	2	0	b	1	g, c	•	51	43	—
	Holyhead	30.23	49	N	3	bc	30.21	+ .07	45	43	− 5	E	1	bc	1	cp, bc	•	52	41	0.02
	Parsonstown ...	30.26	44	N	1	b	30.23	− .07	29	29	− 2	NW	1	b	•	b	8.0	52	27	—
	Valencia	30.25	49	NNE	2	b	30.19	− .05	39	37	− 8	2	0	b	2	b	9.9	54	32	—
	Roche's Point ...	30.24	53	NNE	3	b	30.19	− .03	43	40	− 2	N	3	bc	3	b	•	57	37	—
	Pembroke (St. Ann's Hd.)	30.12	51	NE	4	b	30.17	+ .05	46	44	− 6	E	2	bm	2	b	8.7	52	44	—
	Scilly	30.11	56	NNE	5	c	30.08	+ .03	53	52	− 2	NE	4	0	1	c	6.8	60	52	—
	Jersey (St. Aubin's) ...	30.08	59	NNE	3	bcm	30.09	+ .06	56	54	+ 3	E	5	cm	4	bc, bcm	•	64	52	—
	Portland Bill ...	30.14	52	ENE	4	0	30.15	+ .12	54	48	+ 3	E	4	cm	3	0	•	55	45	—
	Dungeness	30.09	52	ENE	5	c	30.18	+ .18	53	51	0	ESE	4	bc	4	cp, c	•	54	51	0.41
	London (Brixton) ...	30.15	52	E	2	0	30.21	+ .14	47	45	− 2	E	1	bw	•	ot, mw	0.0	53	42	0.02
	Oxford	30.22	44	NE	2	b	30.22	+ .13	39	38	− 9	N	2	bf	•	o, b	•	56	34	—
	Yarmouth	30.12	53	NNE	4	cw	30.20	+ .15	50	46	− 3	NE	3	b	3	bc, p, cw	•	54	42	0.03
Germany	Cuxhaven	30.04	52	NNE	1	0	30.15	+ .15	45	44	− 7	2	0	b	•	0	•	54	41	0.04
	Berlin	30.04	52	NW	3	0	30.14	+ .10	47	46	+ 2	NW	1	bc	•	0	•	63	45	0.04
	Wiesbaden	•	•	•	•	•	30.15	+ .07	50	50	+ 7	NW	3	0	•	•	•	55	48	0.08
	Munich	30.04	60	SW	3	b	30.14	+ .01	52	52	− 2	NE	1	r	•	b	•	68	50	1.06
France & Netherlands	The Helder ...	30.11	52	NE	1	b	30.19	+ .17	51	46	− 3	N	1	b	1	b	•	55	48	—
	Brussels	•	•	•	•	•	30.23	+ .19	44	43	− 4	ENE	3	bc	•	r	•	64	42	0.08
	C. Gris Nez ...	30.06	53	E	3	0	30.19	+ .23	46	45	− 10	SE	2	b	1	0	•	?	45	0.04
	Paris	30.07	59	N	2	0	30.12	+ .09	52	51	+ 5	NE	3	0	•	0	•	64	47	—
	Brest	30.05	58	N	1	b	29.99	.00	54	53	+ 2	ENE	3	c	2	b	•	63	48	—
	Lorient	30.02	61	NE	4	b	29.98	− .02	55	45	+ 2	E	5	c	4	b	•	70	50	—
	Rochefort	29.99	64	NE	3	0	29.95	+ .03	61	59	+ 2	NE	3	0	•	0	•	70	57	0.04
	Belfort	29.98	62	W	3	0	30.06	+ .02	52	52	+ 1	E	2	f	•	0	•	68	51	0.43
	Lyons	29.98	69	SW	1	0	30.04		59	59		NNW	1	f	•	0, b	•	80	59	0.04
	Nice	30.09	65	2	0	bc	30.02	− .09	63	60	− 1	2	0	c	1	bc	•	77	61	—
	Perpignan	30.01	66	NE	2	0	29.98	− .07	66	66	+ 3	2	0	0	•	0	•	75	63	—
	Biarritz	29.96	71	E	3	0	29.91	− .04	70	64	+ 8	SSE	2	0	2	0	•	77	62	0.16
Span. Pen.	Corunna																•			
	Lisbon	29.90	69	S	4	0	29.91	+ .01	68	66	+ 2	SSW	4	0	•	0	•	72	64	0.83
	Azores (P. Delgada)	29.45	59	WSW	5	r	29.45	− .20	63	61	+ 4	NW	5	c	4	r	•	68	55	1.62

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

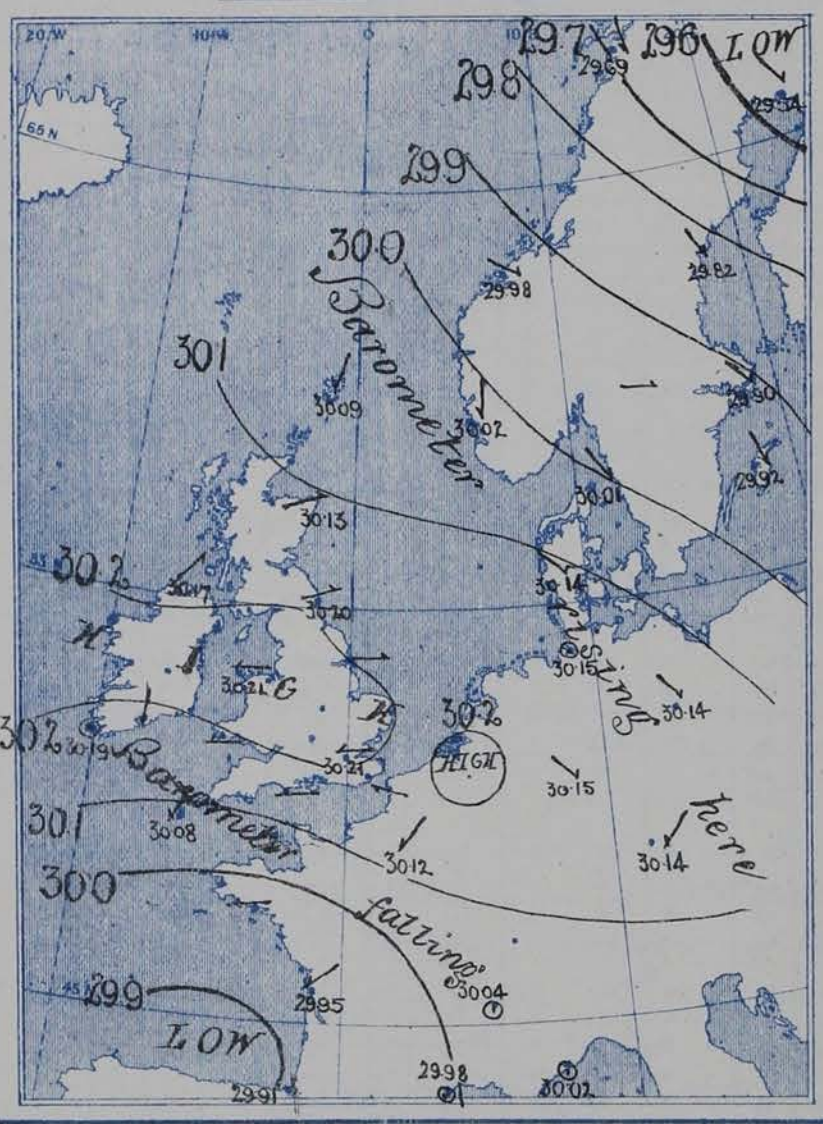
Bright Sunshine yesterday Southport 6.7 *hrs.*

WEATHER CHARTS

FOR *Friday, 6th October,* 1899.

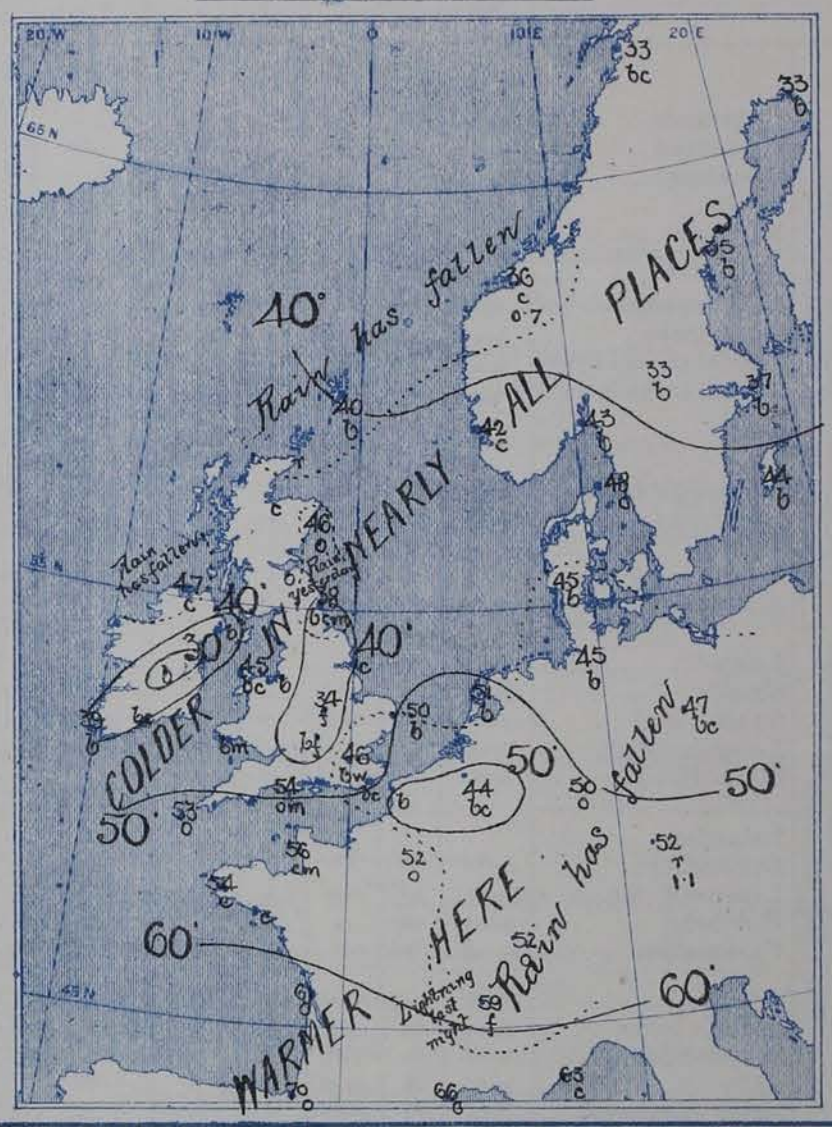
BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards over the N^rn. and central parts of Ireland and England; 30.1 ins. and upwards in an anticyclone covering the whole of our Islands, the Netherlands, Germany & the N.E. of France.
Lowest 29.6 ins. and less in a depression over Lapland; 29.9 ins. and less in another disturbance over the S^rn. parts of the Bay of Biscay.
Gradients slight. Barometer falling slightly on the W. coasts of our Islands & France, but rising elsewhere.

TEMPERATURE

Highest 70° at Biarritz, 66° at Perpignan, 63° at Nice, 61° at Rochefort, 59° at Lyons, & 56° at Jersey.
Lowest (1) 29° at Parsonstown, 34° at Loughborough, and 38° at Shields and Donaghadee; (2) 33° at Bodö, Haparanda and Karlstad.
Frost occurred last night over the central parts of England and Ireland; at Loughborough the thermometer on the grass fell to 26, and at Oxford to 27.

WIND

Light to moderate from the E^rly. or NE^rly. over the southern parts of our Islands, and also over the Netherlands and the greater part of France; calm or S^ly. in the south of France.
Light from the W^rly. or SW^rly. on our northern coasts; NW^ly. in Scandinavia and Denmark; variable in Germany.

WEATHER

Fair or fine over NW^rn. Europe generally, but foggy over central England, and dull in the N. and E. of Scotland, with rain at Valencia.
Dull over the greater part of France and S. Germany, with rain at Munich.
Slight rain fell yesterday at several of our our N^rn., E^rn. and SE^rn. stations, and larger quantities in some parts of France and Germany, as well as in the W. of Norway.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our Islands appears to be moving slowly E^wds., and less settled weather is likely to set in shortly in the W. and N. Elsewhere no material change is probable within the ensuing 24 hours.

FORECASTS

For the 24 hours ending at NOON on 7th. OCTOBER 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W^ly. to SW^ly. winds, light, cloudy, probably some rain.
1 SCOTLAND EAST	
2 ENGLAND N.E.	W^ly. and SW^ly. winds, light; fair generally.
3 ENGLAND EAST	E^ly. and NE^ly. winds, light; fair generally.
4 MIDLAND COUNTIES	Light variable airs, fair generally, frosty at night, with local fogs.
5 ENGLAND SOUTH	E^ly. and NE^ly. winds, light or moderate; fair generally, frosty at night, with local fogs.
6 SCOTLAND WEST	Same as No. 0 and 1.
7 ENGLAND N.W.	Same as No. 2.
8 ENGLAND S.W.	E^ly. and NE^ly. winds, moderate; fair generally.
9 IRELAND NORTH	SW^ly. winds, light or moderate, fair at first, some rain later.
10 IRELAND SOUTH	Light variable airs, fair generally.
WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·04	47	41	NNW	4	c	2
Sumburgh Head	29·99	47	42	W	4	c	4
Stornoway... ...	30·12	49	44	W	3	c	3
Aberdeen	30·18	46	40	WNW	2	c	2
Shields	30·19	49	45	NE	3	c	2
Malin Head ...	30·23	49	45	NW	2	b	2
Belmullet							*
Holyhead	30·21	51	46	NNE	3	cp	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA	SEA.
Valencia	30·27	53	46	NNE	4	bv	4
Scilly	30·10	57	53	N	5	c	2
Jersey	30·05	63	58	SSW	2	bc	2
Portland Bill ...	30·10	53	50	NE	4	o	4
Dungeness ...	30·06	54	52	ENE	5	cp	4
London (Westminster)	30·11	54	50	NE	2	og	*
Yarmouth ...	30·09	54	50	NNE	4	bc	4
Rochefort ...	29·90	68	66	2	0	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy and unsettled over the S.E. of England, and the greater part of France and Spain, with rain at Oxford and Dungeness, and also at Cromer. Fair or fine in most other parts of Europe, but dull in the N. of Scotland, and also over the Baltic and N^rn Russia; fog reported in many parts of Austria. Slight rain falling later in the S.E, E. and N. of our Islands, and larger quantities at some of the Continental stations.

Temperature fallen in all but the S^rn countries. Morning reading highest 81° at Algiers, 76° at La Calle and 73° at Cagliari, Palermo and Syas; above 65° over S^rn Europe generally. Lowest (1) 31° at Parsonstown, and 39° at Stornoway; (2) 37° at Bodo, and 39° at Hernösand; (3) 43° at Wiesbaden, and 44° at Prague. Daily maxima below 50° in the N. of Scotland, and below 55° in most other parts of our Islands; thermometer exceeding 70° in the W. and S. of France, and reaching 80° at Lyons. Frost occurring over the central parts of England and Ireland at night.

Wind light to moderate from the NW^rly on our own northern coasts, and also on the eastern shores of the North Sea. Strong from the W^rly or SW^rly over Scandinavia and northern Russia, with a gale in the west of Norway. Light to moderate from the NE^rly over the greater part of England, Ireland and France; SE. over northern Italy and the Spanish Peninsula. Calm over Austria and the Adriatic, variable over southern Italy. Subsequently backing to the W^rly in the north of Scotland.

Barometer highest 30.2 ins. and upwards over Ireland; 30.1 ins. and upwards in an anticyclone lying over the greater part of our Islands, and also in another system covering the greater part of S^rn and E^rn Europe. Lowest 29.3 ins. and less in a depression over the N. of Scandinavia; 29.9 ins. and less in a shallow disturbance off the Portuguese coasts. No important change occurring over W^rn Europe later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday 7th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.71	25	W	2	b	29.79	+ .25	24	23	− 9	E	0	b	•	b	•	39	24	—
	Hernösand	29.97	33	W	2	b	29.95	+ .13	33	30	− 2	E	0	b	•	b	•	42	28	—
	Stockholm	30.11	37	SW	2	b	30.03	+ .13	37	34	0	E	0	b	•	b	•	46	32	—
	Wisby	30.08	43	NNW	4	b	29.99	+ .07	40	38	− 4	SSE	4	o	•	b	•	50	40	—
	Karlstad	30.08	35	NW	2	b	30.03	+ .04	32	31	− 1	NNE	2	c	•	b	•	•	•	—
	Bodö	29.83	32	WNW	4	bc	29.78	+ .09	32	31	− 1	E	4	s	1	bc	•	36	30	—
	Christiansund ...	30.06	35	NW	5	r	29.87	− .11	37	35	+ 1	WSW	6	r	5	r	•	37	30	0.39
	Skudesnaes ...	30.13	42	NNW	2	c	30.08	+ .06	40	38	− 2	N	2	c	2	c	•	49	39	*
	Færder (X'iania Fjord)	30.09	44	E	0	bc	30.02	+ .03	41	37	− 2	N	4	o	2	c, bc	•	45	41	—
	The Scaw (Skagen)	30.05	45	E	3	b	30.00	− .01	45	41	− 3	ESE	1	o	0	b	•	50	45	0.20
	Fanö	30.13	48	W	3	c	30.05	− .09	46	44	+ 1	NW	2	c	•	c	•	54	45	0.24
BRITISH ISLANDS	Sumburgh Head ...	30.09	42	E	0	c	30.09	.00	44	42	+ 4	E	0	b	3	bc, c	•	49	38	0.01
	Stornoway	30.06	50	W	2	0	30.14	+ .07	47	46	− 1	E	0	bc	0	p, o	1.7	52	42	0.03
	Wick	30.07	50	NW	2	r	30.12	+ .03	50	49	+ 5	NW	1	c	2	r	•	51	41	0.08
	Nairn	30.11	49	WSW	1	c	30.13	.00	49	48	+ 2	W	1	o	1	c	•	56	44	—
	Aberdeen	30.13	45	SW	1	c	30.14	+ .01	52	48	+ 6	W	2	bw	1	cpg, c	0.7	55	41	0.02
	Leith	30.14	50	W	2	o	30.19	+ .01	45	43	+ 2	WSW	1	bc	•	o	•	56	42	—
	Shields	30.16	48	SE	1	m	30.18	− .02	40	39	+ 2	W	3	bcm	2	bcm, m	•	52	36	—
	Spurn Head ...	30.15	50	NW	1	b	30.16	− .03	46	45	− 1	NW	4	f	4	b	•	54	44	—
	Loughborough ...	30.18	44	E	0	b	30.23	− .02	33	33	− 1	E	0	fw	•	bm, f	•	59	32	—
	Malin Head ...	30.15	49	WSW	2	c	30.20	+ .03	51	49	+ 4	SW	2	c	2	p, c	•	54	46	0.04
	Belmullet														•		•			
	Donaghadee ...	30.19	48	SW	3	c	30.23	.00	46	44	+ 8	SW	3	cg	2	c	•	53	38	—
	Liverpool (Bidston)	30.18	47	NNW	1	b	30.24	+ .02	47	44	0	E	0	b	?	bm	•	51	43	—
	Holyhead	30.16	50	NE	1	cm	30.23	+ .02	48	45	+ 3	NNE	1	bcm	1	bc, cm	•	52	43	—
	Parsonstown ...	30.17	47	N	1	o	30.28	+ .05	30	30	+ 1	NW	1	b	•	b, o	7.3	54	28	—
	Valencia	30.13	51	ENE	1	bc	30.24	+ .05	39	38	0	ENE	1	bm	2	b, bc	8.7	55	37	—
	Roche's Point ...	30.14	52	E	3	cm	30.26	+ .07	44	42	+ 1	NNE	3	bm	3	cm	•	55	40	—
	Pembroke (St. Ann's Hd.)	30.12	54	E	2	b	30.23	+ .06	49	47	+ 3	E	2	b	2	b	8.5	55	45	—
	Scilly	30.02	57	NE	4	o	30.15	+ .07	55	53	+ 2	ENE	3	c	1	o	0.1	59	52	—
	Jersey (St. Aubin's) ...	30.04	58	E	5	cm	30.17	+ .08	56	50	0	ENE	4	bm	4	cm, p	•	60	51	0.05
	Portland Bill ...	30.09	55	ESE	4	c	30.20	+ .05	51	49	− 3	ENE	1	bm	3	c	•	59	45	—
	Dungeness	30.12	54	E	3	c	30.17	− .01	46	45	− 7	N	3	m	2	c	•	58	43	—
	London (Brixton) ...	30.16	51	E	2	o	30.22	+ .01	37	37	− 10	E	0	f	*	op, o, bw	0.3	55	35	—
	Oxford	30.18	44	E	0	b	30.25	+ .03	36	36	− 3	N	1	bf	*	b	•	56	36	—
	Yarmouth	30.15	53	SE	2	bv	30.16	− .04	45	44	− 5	WNW	3	bm	3	b, bv	•	55	40	—
GERMANY.	Cuxhaven	30.16	48	E	0	b	30.06	− .09	46	44	+ 1	W	1	o	•	b	•	50	41	—
	Berlin	30.19	51	E	2	c	30.08	− .06	47	44	0	E	2	o	•	c	•	55	46	—
	Wiesbaden	•	•	•	•	•	30.01	− .14	49	47	− 1	N	1	o	•	•	•	55	45	—
	Munich	30.12	54	SE	2	o	29.95	− .19	50	50	− 2	SE	2	r	•	o	•	59	48	0.16
FRANCE & NETHERLANDS.	The Helder ...	30.17	51	N	1	b	30.10	− .09	52	49	+ 1	N	1	b	1	b	•	55	45	—
	Brussels	•	•	•	•	•	?	?	43	41	− 1	NNE	2	b	•	o	•	55	37	—
	C. Gris Nez ...	30.15	50	E	2	c	30.12	− .07	46	42	0	ENE	2	o	1	c	•	59	41	—
	Paris	30.06	53	NE	2	o	30.08	− .04	45	43	− 7	NNE	2	m	•	o	•	60	45	—
	Brest	30.02	58	ENE	2	o	30.14	+ .15	53	51	− 1	ENE	2	bc	2	o	•	61	50	—
	Lorient	29.94	60	E	3	r	30.07	+ .09	54	53	− 1	NE	3	c	2	r	•	70	54	0.16
	Rochefort	29.82	57	NE	3	o	30.01	+ .06	58	55	− 3	NE	3	o	•	o	•	72	55	0.20
	Belfort	30.04	52	ENE	5	m	29.99	− .07	48	48	− 4	E	0	f	•	m	•	62	48	0.08
	Lyons	29.98	59	NW	1	f	29.91	− .13	56	56	− 3	NNW	1	r	•	f	•	64	55	0.35
	Nice																•			
	Perpignan	29.91	68	E	1	o	29.92	− .06	68	61	+ 2	NW	3	c	•	o	•	77	62	—
	Biarritz	29.91	67	E	3	r	29.99	+ .08	67	65	− 3	W	4	r	3	r	•	77	63	0.08
SPAN. PEN.	Corunna																•			
	Lisbon	30.03	68	S	3	c	30.06	+ .15	66	65	− 2	ESE	3	o	•	c	•	72	66	—
	Azores (P. Delgada)	29.66	63	WNW	4	bc	29.63	+ .18	62	60	− 1	WNW	3	c	3	bc	•	68	59	0.32

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College Westminster*

Bright Sunshine yesterday Southport 8·5 hrs.

WEATHER CHARTS

FOR Saturday, 7th October, 1899.

BAROMETER, WIND AND SEA.

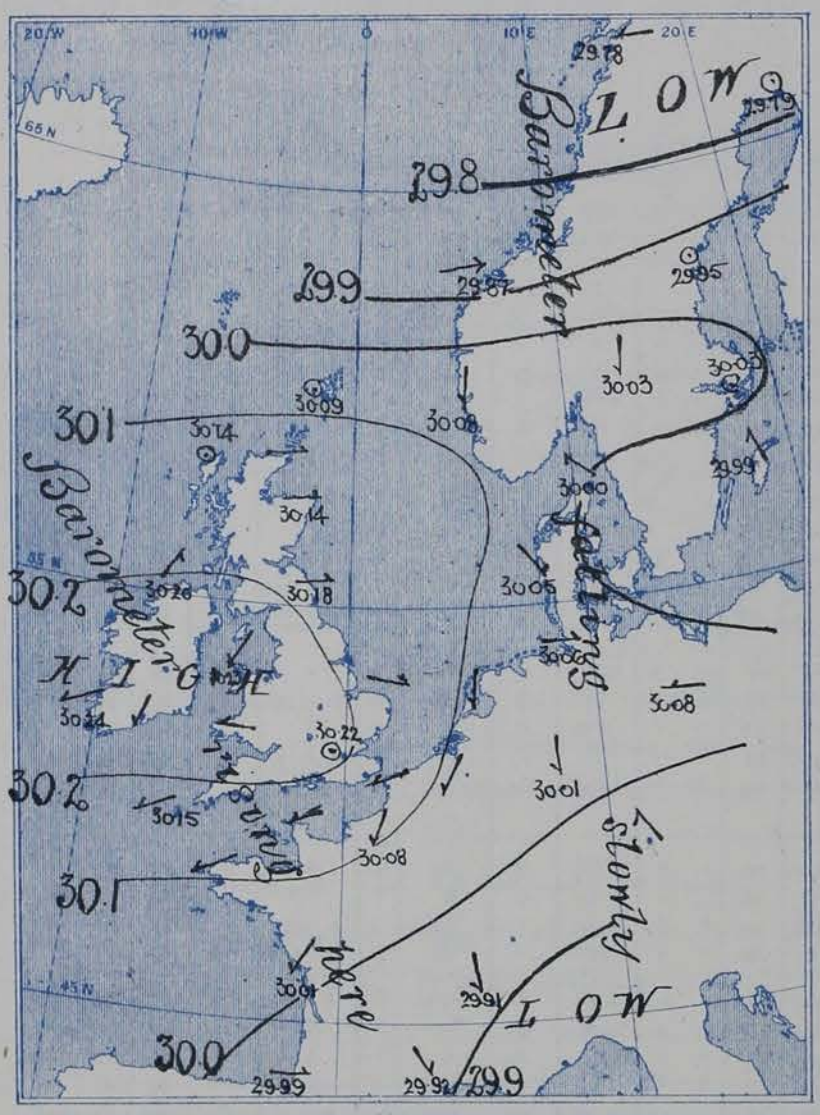
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards over Ireland and the greater part of England; 30.1 ins. and upwards in an anticyclone covering the whole of our Islands and the adjacent parts of the Continent and the North Sea.
Lowest 29.8 ins. and less in a large but somewhat shallow depression lying over the N.rn parts of Scandinavia.
Gradients slight. Barometer rising in our Islands & the N. and W. of France, falling elsewhere.

TEMPERATURE

Highest 68° at Perpignan, 67° at Biarritz, 58° at Rochefort, 56° at Jersey & Lyons, and 55° at Scilly.
Lowest (1) 24° at Haparanda, 32° at Bodö and Karlstad, and 33° at Hernösand; (2) 30° at Parsonstown, and 33° at Loughborough.
Frost occurred last night in several parts of England and central Ireland, the lowest readings reported being (1) In the screen 28° at Parsonstown, and 32° at Loughborough; (2) on the grass 26° at Loughborough, and 29° in London.

WIND

Light from the W.rly or SW.rly over the northern parts of the United Kingdom, from the N.rly in the south of Norway and in the Netherlands, and from the NE.rly over the southern parts of the United Kingdom and the N. of France. W.ly or NW.ly in the south of France.
Calm in the Gulf of Bothnia; strong from WSW. at Christiansund, moderate from E. at Bodö.

WEATHER

Fine over our Islands and the neighbouring parts of the Continent generally, but foggy in the E.rn and central parts of England.
Fine also in Sweden, but dull in Norway, Denmark, Germany and the S. of France; rain falling at Lyons and Biarritz, and also at Christiansund, and snow at Bodö.
Slight rain fell yesterday at some of our own N.rn, E.rn and S.rn stations and larger quantities in Denmark, S. Germany and the W. and S. of France.

SEA

Slight to smooth generally, but rather rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the weather.

FORECASTS

For the 24 hours ending at NOON on 8TH OCTOBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	Light breezes, chiefly W.ly; fair generally.	6 SCOTLAND WEST 7 ENGLAND N.W.	Light variable airs, fair generally, but some mist or fog.
2 ENGLAND N.E. 3 ENGLAND EAST	NW.ly winds, light; fair generally, frosty and foggy at night.	8 ENGLAND S.W.	NE.ly winds, light; fair generally.
4 MIDLAND COUNTIES 5 ENGLAND SOUTH	N.ly and NE.ly winds, light; fair generally, frosty and foggy at night.	9 IRELAND NORTH	Same as No.s 6 and 7.
		10 IRELAND SOUTH	Same as No. 8.
		WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·10	47	41	NNW	2	c	2
Sumburgh Head	30·10	49	43	Z	0	bc	3
Stornoway... ...	30·06	52	49	WSW	3	r	3
Aberdeen	30·13	51	47	SSE	2	cpg	2
Shields	30·17	49	44	SE	1	bcm	2
Malin Head ...	30·16	51	49	SW	2	c	1
Belmullet							*
Holyhead	30·19	52	46	NNE	2	bc	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·15	55	48	N	2	b	3
Scilly	30·04	57	56	E	4	o	1
Jersey	30·06	60	56	E	5	bc	4
Portland Bill ...	30·10	59	55	ESE	4	c	4
Dungeness ...	30·13	57	53	E	4	bc	3
London (Westminster)	30·17	53	50	E	1	ow	*
Yarmouth ...	30·17	54	49	ESE	3	b	3
Rochefort ...	29·91	70	67	NE	3	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine over our Islands and the N^rn parts of the Continent generally, but foggy over central England and dull in the N. and E. of Scotland, with rain at Wick. Fine in Greece and S^rn Italy, but cloudy and unsettled over central and S^rn Europe as a whole, with rain in several parts of Austria and S. Germany, as well as at Limoges. Slight showers falling later at some of our own N^rn, E^rn and S^rn stations, and larger quantities of rain in Denmark and the W. and S. of France.

Temperature falls in most countries. Morning readings highest 76° at Algiers, 75° at La Calle, and 73° at Palermo, Malta and Oran; above 65° over S^rn Europe generally. Lowest (1) 29° at Parsonstown, and 34° at Loughborough; (2) 33° at Bodö, Haparanda, Karlstad and Kuopio. Daily maxima below 55° in several parts of our NW^rn, N^rn and E^rn coasts, and below 60° at all our own stations excepting Jersey; thermometer exceeding 70° in the W. and S. of France, and reaching 77° at Biarritz and Perpignan. Frost occurring at night over the inland parts of England and Ireland.

Wind light from the SW^wd and W^wd over the northern parts of our Islands and from the NW^wd in Norway, Denmark, Germany and Austria; strong from the latter quarter in Sweden; SW^ly or S^ly in Russia. Light to moderate from the E^wd or NE^wd over the southern parts of our Islands, and also over the Netherlands and the greater part of France; S^ly on the Portuguese coasts; variable in Italy. No important change occurring over western Europe during day.

Barometer highest 30.2 ins. and upwards over Ireland and the N^rn and central parts of England; 30.1 ins. and upwards in an anticyclone embracing nearly the whole of our Islands, the Netherlands, Germany and the NE. of France, and also in a smaller system over S^rn Italy. Lowest 29.5 ins. and less in a depression over Lapland, 29.9 ins. and less in another disturbance over the NW. of Spain and the S^rn parts of the Bay of Biscay. No decided change occurring later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 8th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATION.	YESTERDAY EVENING. (See note at bottom of last page.) Baron. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.86	25	E	0	b	30.02	+ .23	27	27	+ 3	N	2	bc	*	b	*	39	21	—
	Hernösand	29.87	36	SW	2	b	30.12	+ .17	34	30	+ 1	NW	6	b	*	b	*	41	27	—
	Stockholm	29.96	36	E	0	b	30.09	+ .06	35	32	— 2	NNW	4	b	*	b	*	43	30	—
	Wisby	29.87	37	E	4	r	30.12	+ .03	42	38	+ 2	N	8	b	*	r	*	42	34	0.67
	Karlstad	30.02	33	E	0	b	30.24	+ .21	33	31	+ 1	WNW	4	b	*	b	*	*	*	—
	Bodö	30.00	32	NNE	4	c	30.12	+ .34	31	30	— 1	E	4	bc	1	c	*	34	30	—
	Christiansund ...	30.13	39	WSW	3	bc	30.23	+ .36	39	36	+ 2	WSW	4	c	3	bc	*	43	36	0.51
	Skudesnaes ...	30.18	45	NNW	4	c	30.35	+ .27	38	37	— 2	NE	2	b	1	bc, c	*	46	37	—
	Færder (X'iania Fjord)	30.04	43	W	2	b	30.28	+ .26	41	36	0	NNW	4	b	2	b	*	43	39	—
	The Scaw (Skagen)	30.06	47	NNE	3	b	30.28	+ .28	43	36	— 2	NE	4	b	1	b	*	48	41	—
	Fanö	30.11	40	NW	4	b	30.11	+ .06	43	40	— 3	NNW	1	c	*	b	*	50	36	0.12
BRITISH ISLANDS.	Sumburgh Head ...	30.23	45	N	3	o	30.20	+ .11	48	46	+ 4	SSW	3	o	3	bc, o	*	50	37	0.01
	Stornoway	30.26	47	E	0	o	30.21	+ .07	49	48	+ 2	SW	3	c	3	o	3.4	54	36	—
	Wick	30.27	43	NE	2	c	30.23	+ .11	49	47	— 1	SW	2	c	1	c	*	58	34	0.01
	Nairn	30.29	51	E	0	o	30.27	+ .14	49	47	0	E	0	c	1	o	*	54	35	—
	Aberdeen	30.29	48	NE	1	c	30.32	+ .18	49	48	— 3	SW	2	bcw	1	c	4.4	55	34	—
	Leith	30.35	52	WSW	1	bc	30.34	+ .15	49	47	+ 4	S	1	m	*	bc	*	61	41	—
	Shields	30.27	53	NNW	1	o	30.36	+ .18	50	49	+ 10	SSW	2	m	2	bc, o, p	*	56	38	—
	Spurn Head ...	30.23	52	N	3	b	30.39	+ .23	51	49	+ 5	NW	1	bc	2	b	*	54	44	—
	Loughborough ...	30.29	45	W	1	b	30.42	+ .19	36	36	+ 3	ESE	1	ofw	*	b	*	57	32	—
	Malin Head ...	30.29	50	NNW	2	bc	30.31	+ .11	47	47	— 4	SSW	3	c	2	pw, bc	*	53	46	0.07
	Blacksod Point ...						30.29		50	47		SSW	2	b	*	?	*	56	38	—
	Donaghadee ...	30.32	53	WSW	2	c	30.38	+ .15	43	42	— 3	SW	3	bc	3	c, m	*	60	41	—
	Liverpool (Bidston)	30.31	50	WNW	1	b	30.40	+ .16	41	41	— 6	SE	1	f	?	f, b	*	54	38	—
	Holyhead	30.31	52	NNE	1	b	30.37	+ .14	45	43	— 3	SE	1	bf	1	b	*	54	41	—
	Parsonstown ...	30.32	48	NE	1	b	30.36	+ .08	33	33	+ 3	E	1	b	*	b	9.1	56	30	—
	Valencia	30.29	50	E	0	bm	30.31	+ .07	43	42	+ 4	NE	1	bm	2	bm	9.3	59	38	—
	Roche's Point ...	30.31	52	SE	3	b	30.36	+ .10	43	43	+ 3	NE	2	f	3	b, f	*	56	39	—
	Pembroke (St. Ann's Hd.)	30.29	53	E	2	b	30.36	+ .13	47	46	— 2	E	3	bm	1	b	9.3	58	46	—
	Scilly	30.28	56	E	3	b	30.30	+ .15	56	52	+ 1	E	4	c	1	b	9.4	61	52	—
	Jersey (St. Aubin's) ...	30.26	57	E	4	bm	30.37	+ .20	53	49	— 3	ENE	3	of	3	bm, b	*	60	42	—
	Portland Bill ...	30.29	53	W	2	b	30.38	+ .18	47	46	— 4	ENE	3	b	2	b	*	57	43	—
	Dungeness	30.24	50	N	2	o	30.37	+ .20	44	43	— 2	NNE	2	m	1	o, w	*	56	38	0.01
	London (Brixton) ...	30.28	46	E	0	m	30.38	+ .16	39	39	+ 2	E	0	fw	*	bc, fw	3.4	55	35	—
	Oxford	30.33	44	N	1	b	30.44	+ .19	33	33	— 3	E	0	f	*	b	*	56	33	—
	Yarmouth	30.21	53	NNW	1	b	30.38	+ .22	48	47	+ 3	NW	2	am	3	b	*	55	42	—
GERMANY.	Cuxhaven	30.00	50	W	3	c	30.32	+ .26	45	41	— 1	E	0	b	*	c	*	52	39	0.20
	Berlin	29.97	48	W	2	b	30.20	+ .12	39	36	— 8	NW	3	b	*	b	*	52	37	0.08
	Wiesbaden	*	*	*	*	*	30.34	+ .33	46	45	— 3	N	2	b	*	*	*	55	39	—
	Munich	30.06	46	SW	3	r	30.32	+ .37	42	41	— 8	W	5	r	*	r	*	54	39	0.20
FRANCE & NETHERLANDS.	The Helder ...	30.16	54	NW	3	b	30.37	+ .27	53	46	+ 1	NNE	1	b	1	b	*	55	50	0.04
	Brussels	*	*	*	*	*									*		*			
	C. Gris Nez ...	30.21	54	N	2	m	30.36	+ .24	51	50	+ 5	ENE	1	m	1	m	*	55	43	—
	Paris	30.24	51	NNE	2	b	30.38	+ .30	39	39	— 6	NE	2	b	*	b	*	57	38	—
	Brest	30.24	[illegible]	NE	2	b	30.30	+ .16	50	48	— 3	ENE	2	b	2	b	*	63	44	—
	Lorient	30.20	57	NE	4	bc	30.32	+ .25	48	46	— 6	E	5	c	3	bc	*	63	46	—
	Rochefort	30.19	61	NE	3	b	30.23	+ .22	46	45	— 12	E	5	b	*	b	*	70	45	—
	Belfort	30.11	49	ENE	1	f	30.30	+ .31	38	37	— 10	ENE	2	m	*	f	*	53	36	0.04
	Lyons	30.11	54	N	1	o	30.25	+ .34	44	42	— 12	WNW	2	b	*	o	*	61	44	0.08
	Nice	29.71	65	E	0	b	29.85		64	60		E	1	b	1	b	*	72	59	0.04
	Perpignan	30.00	71	W	1	b	30.05	+ .18	64	58	— 4	NW	2	b	*	b	*	80	60	—
	Biarritz	30.05	66	W	3	c	30.10	+ .11	59	58	— 8	ESE	1	f	1	c	*	70	57	—
SPAN. PEN.	Corunna																*			
	Lisbon	30.07	68	S	2	b	30.06	.00	67	65	+ 1	S	3	o	*	b	*	73	66	0.04
	Azores (P. Delgada)	29.70	64	WNW	4	bc	29.64	+ .01	66	63	+ 4	WSW	4	c	4	bc	*	70	61	0.08

For Explanation of Columns, see bottom of last page. † *Received too late for insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 8·5 hrs.

WEATHER CHARTS

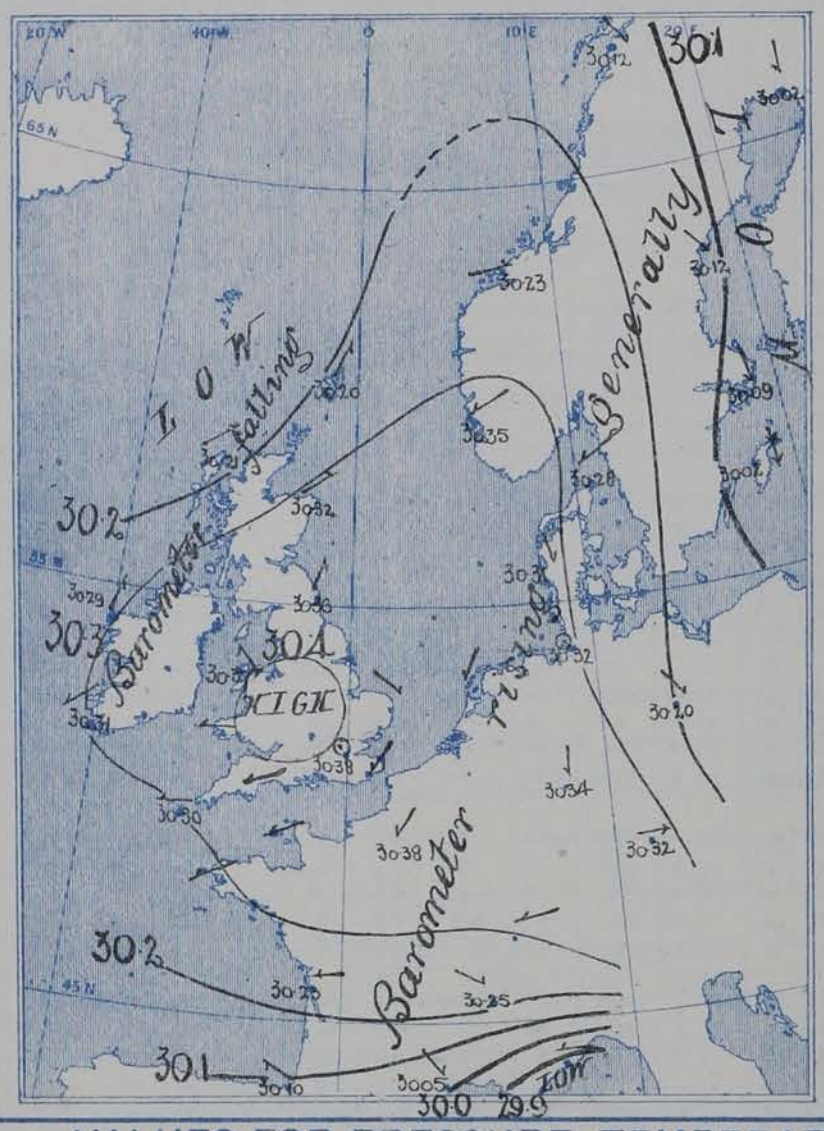
FOR *Sunday, 8th October,* 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

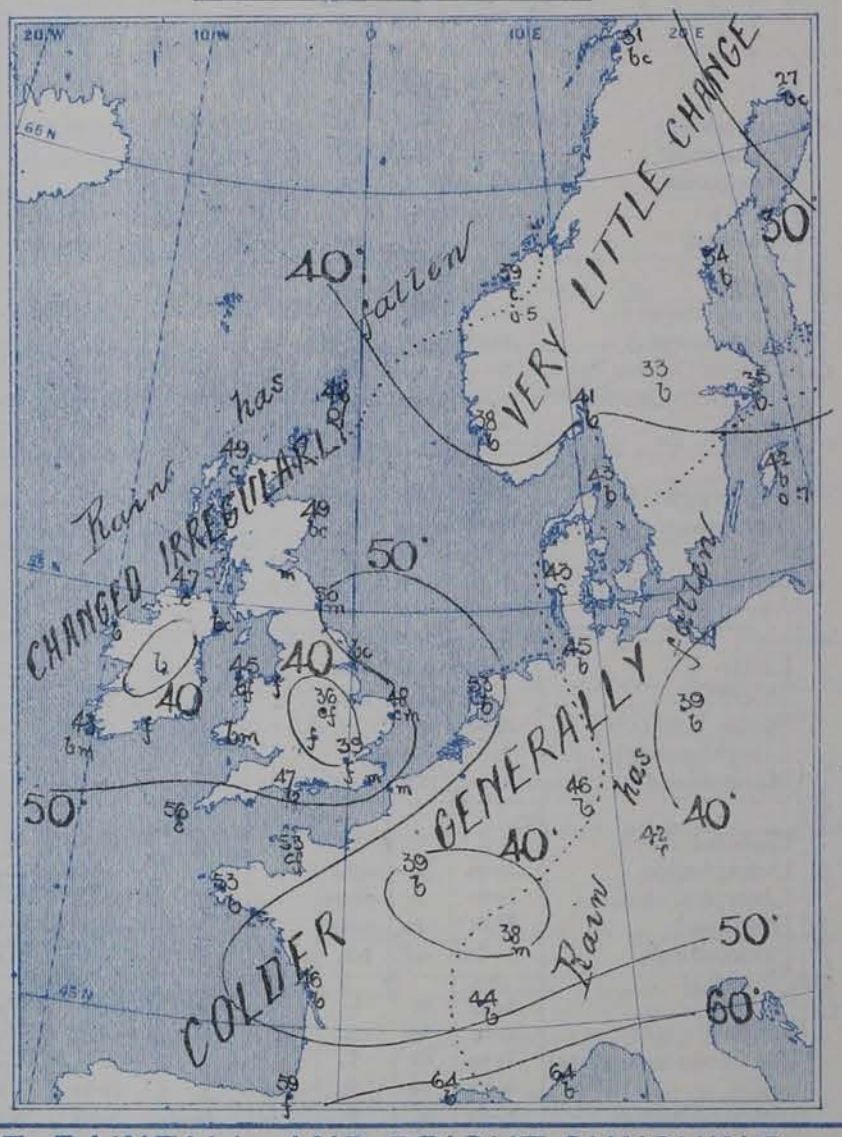
Force above 10 : *Force 5 to 7* : } Calm⊙
Force 8 to 10 : *Force 1 to 4* : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 in: and upwards over all the more central parts of England; 30·2 in: and upwards in an anticyclone covering nearly the whole of western and Central Europe.
Lowest, 29·9 in: and less, in a depression lying over the Gulf of Genoa.
Gradient slight. Barometer rising generally, but falling a little on our own extreme western and northern coasts.

TEMPERATURE

Highest, 67° at Lisbon, 64° at Nice and Perpignan, 59° at Biarritz, 56° at Scilly, and 53° at Jersey, Brest, and the Helder.
Lowest, (1) 27° at Haparanda, and 31° at Bodö; (2) 33° at Parsonstown and Oxford; (3) 38° at Belfort.
Frost occurred last night in many parts of the United Kingdom, the lowest temperatures reported being (1) In the screen 30° at Parsonstown and 32° at Loughborough; (2) On the grass 26° at Loughborough, 27° at Oxford, and 29° in London.

WIND

Light from the E. or NE. in the south of our Islands and the greater part of France, but variable or NW. in the south of France.
Light from the SW. on our own northern coasts; variable in the west of Norway; N. or NW. over Sweden, Denmark, and North Germany, with a gale at Wisby.

WEATHER

Fine over western Europe as a whole, but foggy or misty at most of the English stations, as well as in the south of Ireland. Rain is falling at Munich.
Slight showers fell yesterday on some parts of our northern coasts, and larger amounts of rain at some of the Scandinavian, Danish, German, and southern French stations.

SEA

Slight or smooth generally

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 9th Oct. 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·12	46	42	N	6	bc	2
Sumburgh Head	30·18	49	44	NW	3	bc	3
Stornoway... ...	30·22	54	51	ENE	2	o	2
Aberdeen	30·21	52	48	NW	3	cp	2
Shields	30·21	55	50	NE	3	bc	2
Malin Head ...	30·26	51	51	WNW	3	c	2
Belmullet							*
Holyhead	30·29	53	47	N	1	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·29	58	52	E	0	bm	2
Scilly	30·21	60	56	E	3	b	0
Jersey	30·22	59	51	ESE	4	b	4
Portland Bill ...	30·25	57	52	SE	3	b	2
Dungeness ...	30·20	56	52	NNE	3	bc	2
London (Westminster)	30·23	57	50	NW	2	bc	*
Yarmouth ...	30·16	55	51	N	2	b	3
Rochefort ...	30·07	68	63	NE	3	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine over our Islands and the neighbouring parts of the Continent generally, but foggy in the eastern and central parts of England. Fine also over Sweden and northern Russia, but dull in most other parts of the Continent, with rain over northern Italy, and the southern parts of France and Germany, rain falling also at Christiansund and snow at Bodö. Slight rain falling later at one or two of our own northern stations, and larger quantities in some parts of Scandinavia, Denmark, Germany, and the South of France.

Temperature rises in the west and north of our Islands, but falls elsewhere. Morning readings highest 77° at Palermo and Algiers, and 76° at La Calle, above 70° at most of the Mediterranean stations. Lowest (1) 24° at Haparanda, 30° at Ulealborg, and 31° at Kuopio; (2) 30° at Varenstown, and 33° at Loughborough. Daily maxima below 60° over the greater part of our Islands, and below 55° at some of our northern and eastern stations; thermometer exceeding 70° in the south of France, and reaching 80° at Perpignan. Ground frost occurring in many parts of the United Kingdom at night

Wind light from the W^ly or SW^ly over the northern parts of the United Kingdom, from the N^ly in the south of Norway and the Netherlands, and from the NE^ly over the south of our Islands and the north of France; W^ly in the south of France. S^ly or SE^ly over Italy and the Spanish Peninsula. Variable in the west of Norway; calm in the Gulf of Bothnia, NW^ly over Russia, variable in Germany; calm or variable in Austria. Subsequently veering to the N^ly on our own northern coasts; no important change occurring elsewhere.

Barometer highest 30·2 in: and upwards over Ireland and the greater part of England; 30·1 in: and upwards in an anticyclone covering the whole of our Islands and the adjacent part of the Continent and the North Sea, as well as in smaller systems lying respectively over Poland and over Algeria. Lowest 29·6 in: and less over northern Russia; 29·8 in: and less in a shallow depression over the extreme south of France. Anticyclone over our Islands increasing later in height, and spreading over nearly the whole of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 9th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	30·22	25	SW	0	b	30·02	·00	37	36	+ 10	SW	4	bc	*	b	*	37	23	–
	Hernösand	30·28	27	SW	0	b	30·02	–·10	39	35	+ 5	S	4	c	*	b	*	39	25	–
	Stockholm	30·32	35	NW	2	b	30·25	+·16	35	32	0	SSW	2	o	*	b	*	43	30	–
	Wisby	30·32	41	N	6	b	30·32	+·30	42	37	0	NNW	4	b	*	b	*	45	36	–
	Karlstad	30·34	36	NW	2	b	30·16	–·08	42	41	+ 9	SW	4	b	*	b	*	*	*	–
	Bodö	29·92	37	E	2	o	29·51	–·61	41	39	+ 10	SSW	4	r	2	o	*	41	30	0·12
	Christiansund ...	30·09	44	NW	5	c	29·71	–·52	49	45	+ 10	WSW	8	r	4	c	*	48	39	0·04
	Skudesnaes ...	30·30	49	SW	6	o	30·17	–·18	53	50	+ 15	SW	6	o	4	b, o	*	53	38	*
	Færder (X'iania Fjord)	30·30	47	SSW	4	b	30·17	–·11	50	47	+ 9	SW	6	o	3	b	*	50	41	–
	The Scaw (Skagen)	30·37	45	WSW	2	b	30·26	–·02	46	44	+ 8	WSW	4	o	1	b	*	46	43	–
	Fanö	30·43	42	S	0	b	30·38	+·07	50	45	+ 7	W	3	c	*	b	*	54	41	–
BRITISH ISLANDS	Sumburgh Head ...	30·05	50	W	3	o	29·88	–·32	50	50	+ 2	W	4	o	4	o	*	51	37	0·26
	Stornoway	30·09	52	SW	4	o	29·99	–·22	52	50	+ 3	SW	3	o	3	c, o	2·0	55	46	–
	Wick	30·13	45	NW	1	c	30·01	–·22	53	50	+ 4	NW	4	o	1	c	*	55	48	–
	Nairn	30·18	52	W	2	c	30·07	–·20	53	51	+ 4	W	2	c	2	c	*	59	46	–
	Aberdeen	30·21	50	SW	2	bc	30·13	–·19	53	49	+ 4	SSW	3	cw	1	bc	6·4	58	44	–
	Leith	30·27	52	SW	2	bc	30·20	–·14	50	47	+ 1	WSW	2	cm	*	bc	*	57	42	–
	Shields	30·30	52	SSW	3	c	30·27	–·09	42	41	– 8	SW	2	m	2	c	*	55	40	–
	Spurn Head ...	30·34	53	S	3	bc	30·33	–·06	49	47	– 2	SW	4	b	2	bc	*	57	45	–
	Loughborough ...	30·38	46	ESE	1	b	30·36	–·06	37	37	+ 1	ESE	1	fw	*	bcm, bf	*	62	35	–
	Malin Head ...	30·24	53	W	1	b	30·17	–·14	49	48	+ 2	S	4	o	2	b	*	57	47	–
	Blacksod Pt. ...	30·23	53	WSW	4	m	30·15	–·14	53	50	+ 3	SW	?	m	4	m	*	57	45	–
	Donaghadee ...	30·29	50	SSW	2	b	30·25	–·13	45	44	+ 2	SSW	1	bcmw	2	b	*	58	41	–
	Liverpool (Bidston) ...	30·35	50	SE	1	b	30·32	–·08	46	43	+ 5	SE	1	b	?	f, b	*	57	41	–
	Holyhead	30·32	53	SW	1	bm	30·29	–·08	52	50	+ 7	SE	1	f	1	bm	*	57	43	–
	Parsonstown ...	30·29	51	S	1	b	30·24	–·12	44	43	+ 11	SE	1	o	*	b	9·5	58	32	–
	Valencia	30·24	55	SE	4	bm	30·18	–·13	57	53	+ 14	SE	4	cm	3	bm	9·0	60	42	–
	Roche's Point ...	30·31	55	SSE	3	c	30·26	–·10	55	54	+ 12	SSE	3	cw	3	f, c	*	60	43	–
	Pembroke (St. Ann's Hd.)	30·32	54	SE	2	b	30·27	–·09	55	52	+ 8	SSE	3	cg	1	b	8·8	57	45	–
	Scilly	30·27	56	E	3	o	30·24	–·06	56	53	0	SSE	4	c	0	bc, o	7·4	59	52	–
	Jersey (St. Aubin's) ...	30·31	58	ENE	3	bc	30·31	–·06	55	49	+ 2	E	3	bm	3	om, bc	*	62	47	–
	Portland Bill ...	30·34	56	SE	4	om	30·31	–·07	55	53	+ 8	ESE	3	c	3	om	*	57	45	0·01
	Dungeness	30·35	55	NNE	2	bc	30·34	–·03	54	50	+ 10	S	2	b	1	bc	*	59	43	–
	London (Strand) ...	30·38	52	NE	1	bcm	30·36	–·02	42	41	+ 3	NE	1	bfw	*	bf, c, bw	2·5	62	35	–
	Oxford	30·38	43	W	0	b	30·37	–·07	36	36	+ 3	W	0	bf	*	b, m, f	*	58	33	–
	Yarmouth	30·36	54	S	3	bc	30·35	–·03	52	47	+ 4	SSW	2	bc	3	bc	*	55	46	–
GERMANY.	Cuxhaven	30·39	48	W	0	o	30·41	+·09	47	45	+ 2	SW	2	o	*	o	*	52	41	0·04
	Berlin	30·41	44	NW	3	c	30·48	+·28	38	37	– 1	W	1	b	*	b	*	50	36	–
	Wiesbaden	*	*	*	*	*	30·45	+·11	41	38	– 5	NE	4	b	*	*	*	54	30	–
	Munich	30·44	39	E	4	bc	30·43	+·11	34	33	– 8	E	5	b	*	bc	*	48	30	–
FRANCE & NETHERLANDS.	The Helder ...	30·42	47	W	0	b	30·40	+·03	41	39	– 12	W	0	b	0	b	*	55	36	–
	Brussels	*	*	*	*	*	30·42		42	39		ESE	2	b	*	b	*	59	34	–
	C. Gris Nez ...	30·39	51	E	1	bc	30·32	–·04	43	41	– 8	S	2	b	1	bc	*	57	39	–
	Paris	30·34	50	ENE	2	b	30·35	–·03	36	35	– 3	ENE	2	m	*	b	*	60	35	–
	Brest	30·24	57	E	1	b	?	?	50	48	0	E	2	bc	2	b	*	63	46	–
	Lorient	30·24	58	ESE	3	c	30·24	–·08	48	45	0	E	4	b	2	c	*	64	46	–
	Rochefort	30·19	59	ENE	4	bc	30·18	–·05	46	45	0	ENE	4	bc	*	b, bc	*	66	43	–
	Belfort	30·28	44	ENE	7	b	30·30	·00	35	33	– 3	ENE	6	m	*	b	*	54	34	–
	Lyons	30·22	32	NNW	1	b	30·29	+·04	42	41	– 2	NE	1	b	*	b	*	56	39	–
	Nice																*			
	Perpignan	30·08	65	N	1	b	30·23	+·18	52	51	– 12	W	2	c	*	b	*	78	51	–
	Biarritz	30·04	64	NE	3	bc	30·10	·00	58	56	– 1	S	1	bm	2	–	*	68	55	–
SPAN. PEN.	Corunna																*			
	Lisbon	30·12	69	S	2	o	30·10	+·10	66	65	– 1	E	2	o	*	o	*	73	64	–
	Azores (P. Delgada)	29·62	65	SSW	5	c	29·61	–·03	65	64	– 1	S	5	c	5	c	*	68	63	0·12

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 6·5 hrs.

WEATHER CHARTS

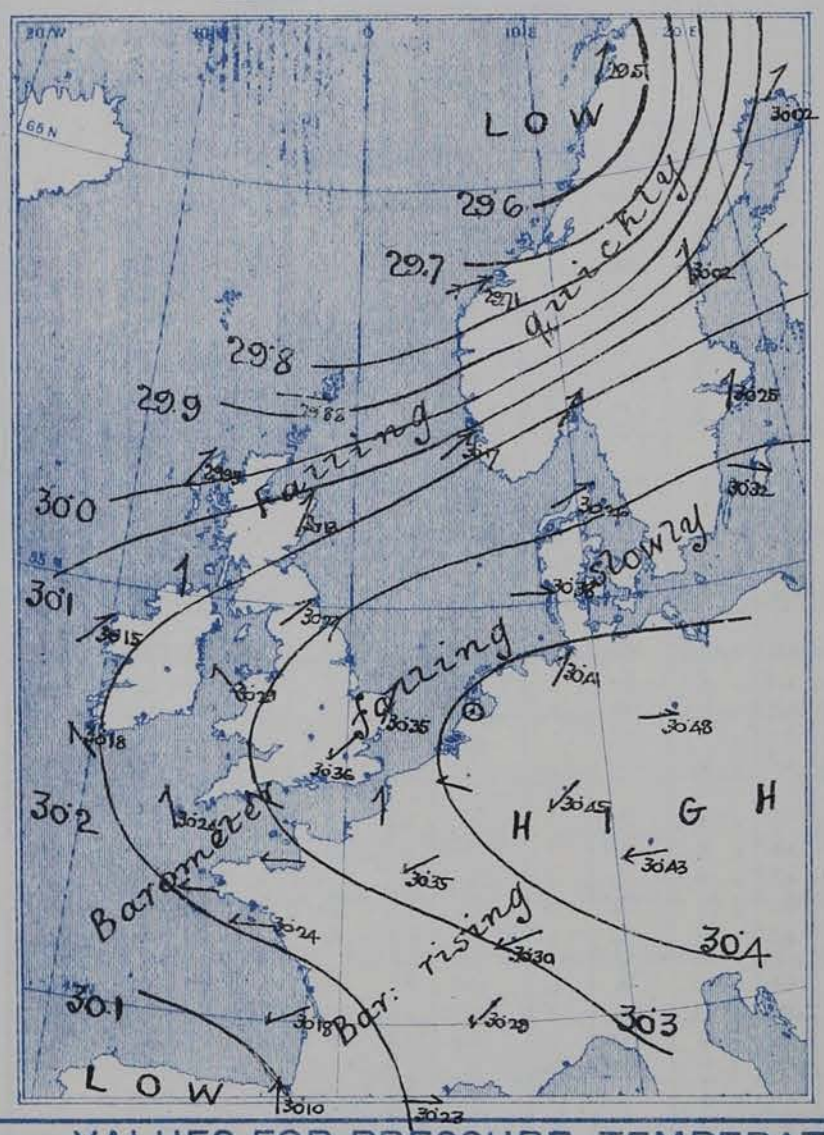
FOR Monday, 9th October, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

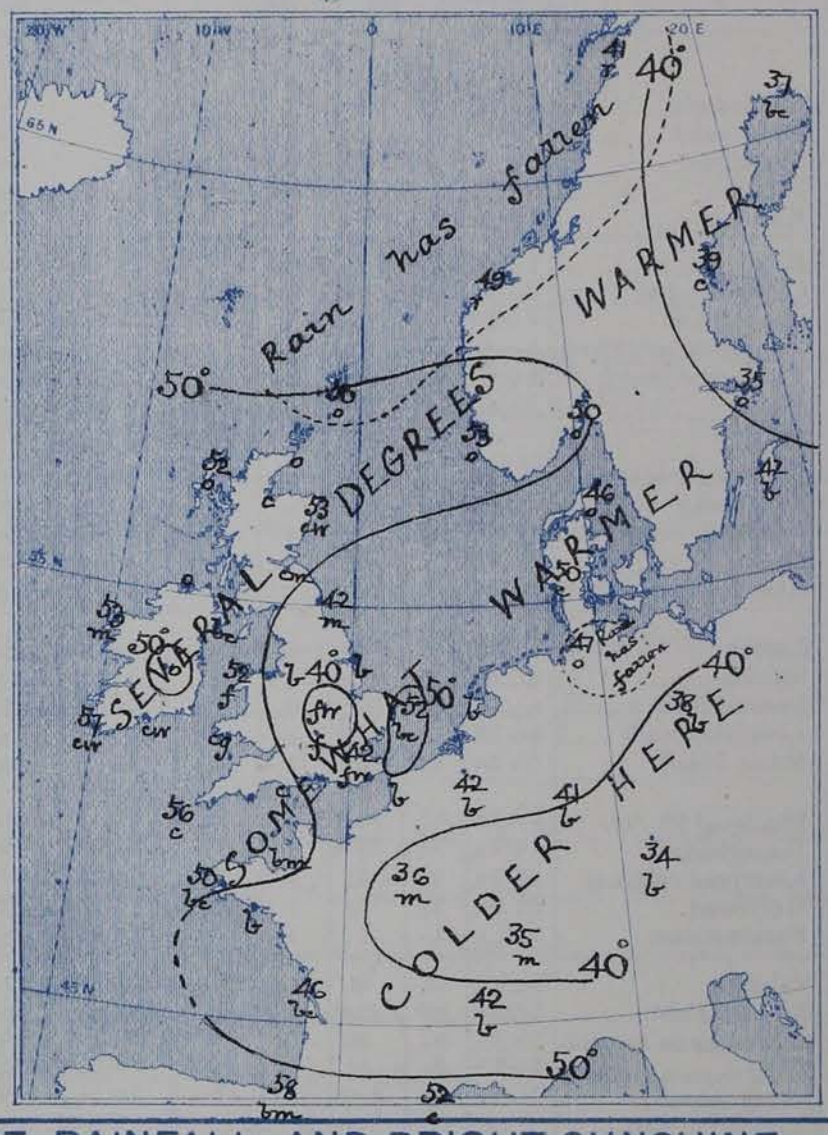
Force above 10 : *Force 5 to 7* : } Calm⊙
Force 8 to 10 : *Force 1 to 4* : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 in: and upwards over Germany and the Netherlands; 30·2 in: and upwards in an anticyclone extending from France and Central Europe over the whole of England and Ireland.
Lowest, 29·6 in: and less, in a large depression lying over the northern parts of the Norwegian coast.
Gradient slight generally, but steep over the northern parts of Scandinavia and the North Sea.
Barometer falling at all but the French and German stations, – quickly in Norway.

TEMPERATURE

Highest, (1) 58° at Biarritz; (2) 57° at Valencia (Ireland) and 56° at Lizdy; (3) 53° at Rhudesness, Wick, Nairn, and Aberdeen.
Lowest, (1) 34° at Munich and 35° at Belfort; (2) 35° at Stockholm and 37° at Haparanda; (3) 36° at Oxford and 37° at Loughborough.
During yesterday the thermometer rose to 60° or slightly above it at several of our own central and southern stations. In London the minimum on the grass last night was 31°.

WIND

SW^ly over the northern parts of our Islands and also in Scandinavia and Denmark; strong in force on the Norwegian coast with a gale at Christiansund.
Light to moderate from the SE^ly on our southern coasts, and from the E^ly or NE^ly over the greater part of France, Belgium and South Germany, but variable in the south of France.

WEATHER

Fair or fine over Western Europe as a whole, but with fog at many of the English stations, and mist over Ireland and Central France.
Dull on our own extreme north and northwest coasts and also in Norway, with rain at Bodö and Christiansund.
Since yesterday morning rain has fallen in the Shetlands, but with this exception the weather over our Islands has remained fair and dry.

SEA

Slight or smooth generally, but moderate off the west of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is now drifting away to the southeastward, and a large depression is approaching the Norwegian coast. Fresh disturbances are likely to appear shortly further south, and unsettled weather is therefore probable in the extreme north and west of our Islands.

FORECASTS

For the 24 hours ending at NOON on 10th OCTOBER, 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW^ly and W^ly winds, freshening; dull, some rain.	6 SCOTLAND WEST	Same as No 1.
1 SCOTLAND EAST	SW^ly winds, freshening; fair at first some rain later.	7 ENGLAND N.W.	Same as No 2.
2 ENGLAND N.E.	SW^ly winds, moderate; fair generally.	8 ENGLAND S.W.	SE^ly to S^ly winds, moderate; fair generally.
3 ENGLAND EAST	S^ly and SW^ly winds, light; fine generally but local fogs at night.	9 IRELAND NORTH	S^ly winds, freshening; fair at first, some rain later.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·36	49	42	SSW	2	b	1
Sumburgh Head							
Stornoway... ...	30·13	55	52	WSW	4	cd	4
Aberdeen							
Shields							
Malin Head ...	30·25	56	52	SW	3	b	2
Blacksod Pt.. ...	30·26	57	51	SW	4	m	3
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·33	61	54	ENE	3	o	3
Portland Bill ...							
Dungeness ...	30·37	58	55	E	3	bc	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·19	64	56	ENE	5	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 1ST TO THE 7TH OCT: 1899.

At the commencement of the week the western countries were affected by a rather deep cyclonic system, which had previously been formed over England. On the 1st the centre of the disturbance moved slowly northeastwards from the mouth of the Channel to our east coasts, its progress being attended by gales from various directions, and by heavy rains in many parts of the United Kingdom. On reaching the North Sea the disturbance moved far more rapidly and ultimately passed northwards across Norway. An anticyclone now passed eastwards from the Atlantic over the southwestern and southern parts of Europe, while a large depression moved in a similar direction across the northern parts of Scandinavia, the advance of the latter system being accompanied by strong winds and gales from SW. or W. on many parts of our coasts.

As the depression passed away a new anticyclone spread from the Atlantic over our Islands and ultimately over nearly the whole of western Europe. The wind consequently fell light, and the weather improved, while fog and frost set in at night over the central parts of our Islands. Over southern Europe the weather at the close of the week was affected by a shallow depression which was formed over the Bay of Biscay and which afterwards moved in an Eastsoutheasterly direction, the disturbance occasioning heavy rain over many parts of the south of France and northern Italy.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 10th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.62	39	S	8	r	29.37	−.65	40	38	+ 3	SW	2	b	*	r	*	40	21	0.32
	Hernösand	29.68	39	Z	0	0	29.49	−.53	41	39	+ 2	Z	0	bc	*	0	*	45	23	—
	Stockholm	29.91	48	SW	2	0	29.68	−.57	52	48	+ 17	W	6	0	*	0	*	52	30	—
	Wisby	30.05	49	WSW	6	0	29.84	−.48	48	47	+ 6	W	6	0	*	0	*	52	37	—
	Karlstad	29.90	49	WSW	6	b	29.69	−.47	50	49	+ 8	WSW	4	r	*	b	*	*	*	—
	Bodö	29.31	43	SW	6	r	29.27	−.24	40	39	− 1	WSW	6	r	3	r	*	45	37	0.55
	Christiansund ...	29.63	46	WSW	9	r	29.60	−.11	44	41	− 5	NNW	5	r	4	r	*	50	43	1.58
	Skudesnaes ...	30.01	51	NW	6	r	29.86	−.31	52	49	− 1	WNW	6	c	4	r	*	53	39	*
	Færder (X'iania Fjord)	29.93	52	WSW	6	0	29.71	−.46	53	51	+ 3	WSW	6	m	4	0	*	54	50	—
	The Scaw (Skagen)	30.02	51	W	4	m	29.86	−.40	53	51	+ 7	W	5	m	1	m	*	54	45	—
	Fanö	30.25	52	SW	4	b	30.08	−.30	53	51	+ 3	WSW	4	0	*	b	*	55	50	—
BRITISH ISLANDS.	Sumburgh Head ...	29.81	50	W	4	0	29.77	−.11	50	50	0	W	4	0	4	0	*	52	45	0.27
	Stornoway	29.94	52	WSW	3	0	29.94	−.05	52	50	0	W	3	0	3	d, 0	0.0	53	47	0.10
	Wick	29.94	55	NW	4	r	29.92	−.09	53	50	0	NW	2	0	2	r	*	59	50	0.05
	Nairn	30.00	53	W	3	c	29.97	−.10	52	51	− 1	W	2	c	2	c	*	58	49	—
	Aberdeen	30.04	50	SW	2	c	29.99	−.14	55	52	+ 2	SW	2	bcw	1	drg, c	0.4	55	43	0.11
	Leith	30.09	53	SW	1	0	30.06	−.14	55	53	+ 5	SW	3	cm	*	0	*	57	49	—
	Shields	30.17	54	SSW	3	0	30.11	−.16	51	50	+ 9	W	2	cm	2	cm, 0	*	57	?46	—
	Spurn Head ...	30.22	51	SW	4	b	30.11	−.22	48	47	− 1	WSW	4	b	2	b	*	58	45	—
	Loughborough ...	30.27	46	SSE	1	b	30.26	−.10	32	32	− 5	Z	0	bf	*	bcm, bf	*	60	31	—
	Malin Head ...	30.10	55	SSW	3	0	30.08	−.09	55	55	+ 6	SSW	3	cm	2	0	*	55	49	0.04
	Blacksod Pt. ...	30.08	56	SW	5	0	30.08	−.07	56	55	+ 3	SW	5	0	4	c, m	*	59	45	0.08
	Donaghadee ...	30.17	54	SSW	1	of	30.13	−.12	52	52	+ 7	SSW	3	cm	1	of	*	57	43	—
	Liverpool (Bidston)	30.25	51	SSE	1	b	30.21	−.11	52	49	+ 6	SSW	2	b	1	bm	*	56	46	—
	Holyhead	30.21	55	SW	2	cm	30.20	−.09	55	52	+ 3	SW	2	bc	1	cm	*	59	50	—
	Parsonstown ...	30.18	54	SE	1	b	30.17	−.07	52	52	+ 8	SE	1	0	*	b	5.6	62	42	0.01
	Valencia	30.17	58	SSE	3	0	30.14	−.04	58	56	+ 1	SE	3	cm	3	cm, 0	3.7	61	56	—
	Roche's Point ...	30.21	56	S	4	c	30.21	−.05	55	53	0	S	3	c	3	c	*	61	54	—
	Pembroke (St. Ann's Hd.)	30.24	57	SW	2	b	30.25	−.02	50	50	− 5	E	2	og	1	b	7.8	59	53	—
	Scilly	30.23	56	SE	3	bc	30.21	−.03	56	53	0	SE	3	bc	0	c, bc	9.0	60	52	—
	Jersey (St. Aubin's) ...	30.25	55	E	3	b	30.29	−.02	45	43	− 10	E	1	bcm	1	bm, b	*	58	40	—
	Portland Bill ...	30.28	52	SE	2	b	30.28	−.03	50	48	− 5	ENE	2	bc	2	b	*	58	44	—
	Dungeness	30.26	52	E	2	b	30.26	−.08	40	39	− 14	N	1	b	1	b	*	57	32	—
	London (Brixton) ...	30.29	49	SW	1	bcm	30.28	−.08	35	35	− 7	Z	0	f	*	b, bfw	6.5	62	33	—
	Oxford	30.29	42	Z	0	b	30.28	−.09	37	37	+ 1	SW	2	bf	*	b, f	*	59	33	—
	Yarmouth	30.27	53	SSE	3	b	30.21	−.14	46	44	− 6	W	3	bm	2	b	*	55	40	—
GERMANY.	Cuxhaven	30.22	48	S	1	b	30.16	−.25	42	40	− 5	SW	1	b	*	b	*	50	36	—
	Berlin	30.38	46	Z	0	b	30.24	−.24	35	34	− 3	NW	2	b	*	b	*	52	34	—
	Wiesbaden	*	*	*	*	*	30.30	−.15	37	36	− 4	E	1	b	*	*	*	52	34	—
	Munich	30.37	37	SE	2	b	30.34	−.09	39	38	+ 5	SSW	2	b	*	b	*	48	34	—
FRANCE & NETHERLANDS.	The Helder ...	30.29	48	Z	0	b	30.20	−.20	52	49	+ 11	WSW	1	b	1	b	*	55	37	—
	Brussels	*	*	*	*	*	30.29	−.13	41	39	− 1	Z	0	m	*	c	*	56	34	—
	C. Gris Nez ...	30.24	48	ESE	1	b	30.26	−.06	46	45	+ 3	ENE	1	m	0	b	*	55	41	—
	Paris	30.26	47	ENE	1	b	30.30	−.05	32	32	− 4	NE	1	f	*	b	*	57	31	—
	Brest	30.20	58	Z	0	bc	30.25	?	50	49	0	ESE	1	b	1	bc	*	63	45	—
	Lorient	30.24	52	Z	0	bc	30.27	+ .03	48	46	0	ENE	3	b	2	bc	*	66	46	—
	Rochefort	30.24	59	N	1	b	30.24	+ .06	50	46	+ 4	N	2	b	*	b	*	70	43	—
	Belfort	30.25	48	NE	2	b	30.26	−.04	51	48	+ 16	W	3	m	*	b	*	55	35	—
	Lyons	30.28	56	N	1	b	30.30	+ .01	50	49	+ 8	SSE	1	b	*	b	*	66	42	—
	Nice	30.31	59	S	1	0	30.32	+ .09	58	55	+ 8	SW	2	c	2	0	*	66	57	—
	Perpignan †	30.25	58	Z	0	b	30.31	+ .08	54	54	+ 2	SW	2	b	*	b	*	70	50	—
	Biarritz	30.15	66	Z	0	b	30.18	+ .08	61	60	+ 3	E	1	b	0	b	*	70	57	—
SPAN. PEN.	Corunna																*			
	Lisbon	30.17	71	SW	1	0	30.17	+ .01	?67	66	+ 1	NNE	3	0	*	0	*	75	66	—
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 6.2 *hrs.*

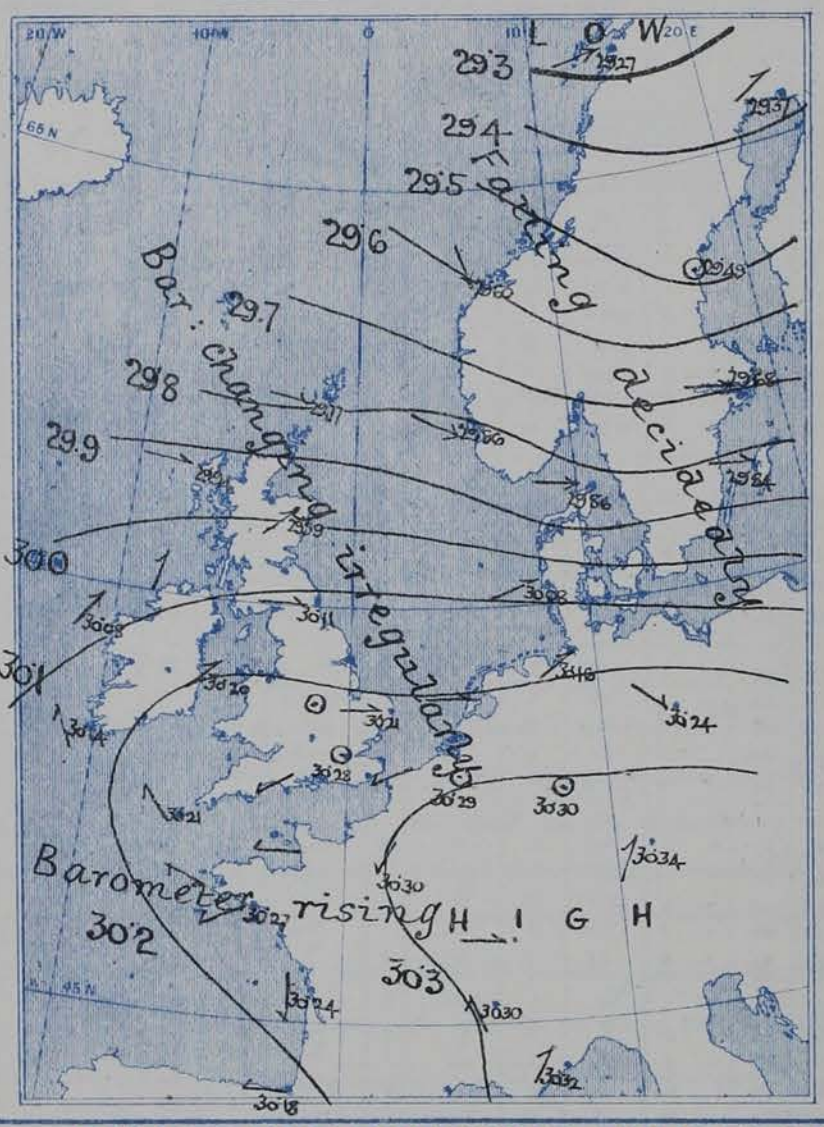
WEATHER CHARTS

FOR Tuesday, 10th October, 1899.

BAROMETER, WIND AND SEA.

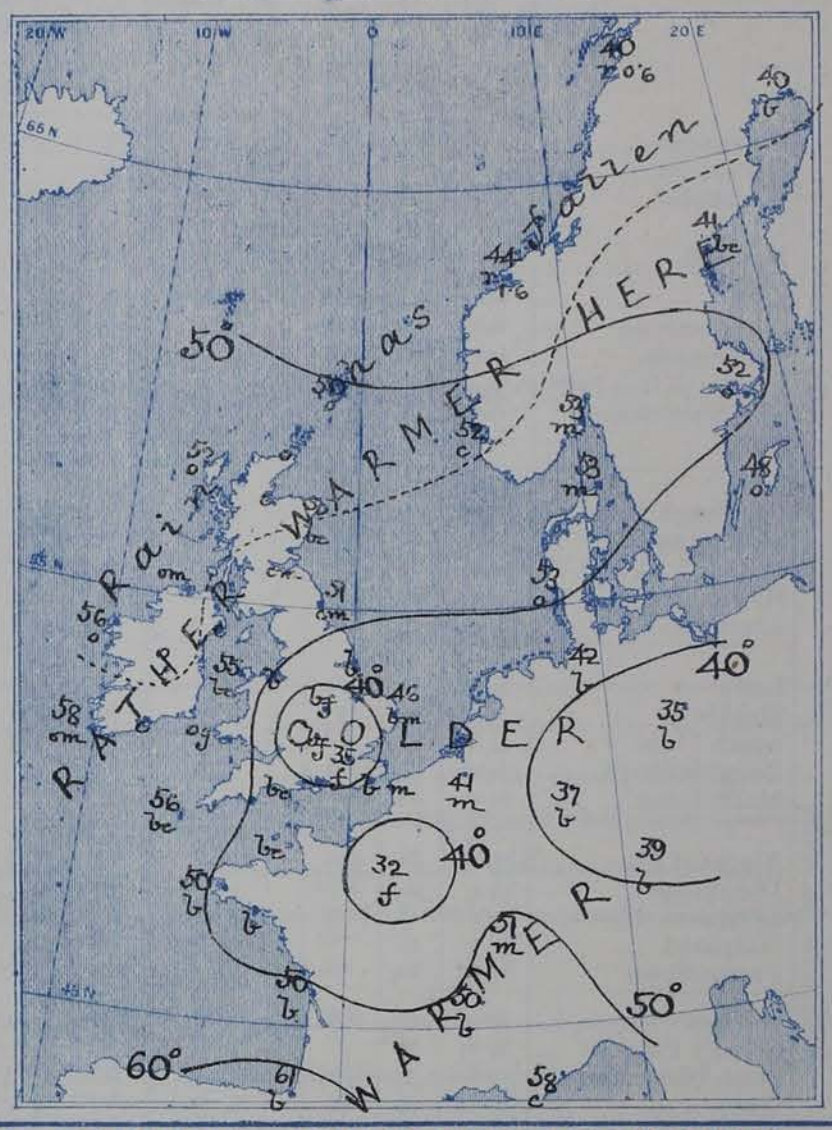
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and upwards over S. Germany and the E^rn. parts of France; 30.1 ins. and upwards in an anticyclone extending from central Europe over the whole of England and the greater part of Ireland.
Lowest 29.3 ins. and less in a depression over the N. of Norway.
Gradient slight generally, but moderate over Denmark and the S. of Scandinavia.
Barometer changing very slightly in our Islands, rising a little in France; falling in Scandinavia & Denmark.

TEMPERATURE

Highest (1) 61° at Biarritz and 58° at Nice; (2) 58° at Valencia (Ireland), & 56° at Blackrod Point & Scilly.
Lowest (1) 32° at Loughborough, 35° in London and 37° at Cosford; (2) 32° at Paris, and 35° at Berlin; (3) 40° at Bodö and Haparanda.
During yesterday the thermometer rose to 60° or slightly above it in several parts of England and Ireland. Frost occurred over our Midlands and SE^rn. counties at night.

WIND

Light to moderate from the SW^wd. or W^wd. over all the more northern parts of our Islands, and fresh to strong from the same quarters in Scandinavia and Denmark.
Light from the E^wd. or NE^wd. over the English Channel and the north and west of France, and from the SE^wd. in the south of Ireland, variable over Germany and the east & south of France.

WEATHER

Fair or fine over W^rn. Europe as a whole, but foggy over the central parts of England & France.
Dull on our own extreme W^rn. and N^rn. coasts, as well as at many of the Scandinavian and Danish stations, with rain at Bodö, Christiansund and Karlstad.
Slight rain fell yesterday in the extreme N. and NW. of our Islands, and larger quantities in the N^rn. parts of Scandinavia, – as much as 1.6 in. at Christiansund.

SEA

Slight or smooth generally, but moderate off the Shetlands and the Norwegian coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the weather. Further depressions are, however, likely to appear shortly off our extreme N^rn. coasts, so that in the N. and NW. the conditions will probably remain somewhat unsettled.

FORECASTS

For the 24 hours ending at NOON on 11th. OCTOBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W^ly. to SW^ly. winds, moderate or fresh, dull, some rain	6 SCOTLAND WEST	SW^ly. winds, freshening; dull, some rain.
1 SCOTLAND EAST	SW^ly. winds, moderate; fair at first, some rain later.	7 ENGLAND N.W.	Same as No. 1.
2 ENGLAND N.E.	W^ly. and SW^ly. winds, moderate; fair generally.	8 ENGLAND S.W.	SE^ly. winds, light or moderate, fair generally.
3 ENGLAND EAST	Light breezes, chiefly SW^ly.; fair generally, local fogs at night.	9 IRELAND NORTH	Same as No. 6.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	S^ly. winds, moderate; dull, some rain.
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·12	53	51	WSW	6	r	4
Sumburgh Head	29·85	52	51	W	4	o	4
Stornoway... ...	29·98	53	51	WSW	3	r	3
Aberdeen	30·09	50	49	SW	2	org	1
Shields	30·20	56	52	SSW	2	c	2
Malin Head ...	30·13	54	52	SSW	3	o	2
Blacksod Pt.. ...	30·14	58	54	WSW	4	c	4
Holyhead	30·25	57	54	SSW	2	ow	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·17	61	56	SSE	4	cw	4
Scilly	30·23	59	55	SSE	3	c	0
Jersey	30·27	57	50	E	3	b	3
Portland Bill ...	30·29	58	53	ESE	3	b	3
Dungeness ...	30·28	55	50	ENE	3	b	2
London (Westminster)	30·29	59	50	S	1	bw	*
Yarmouth ...	30·29	55	49	SSE	3	b	3
Rochefort ...	30·20	66	60	Z	0	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over the greater part of Europe, but foggy at many of the English stations and misty over Ireland and central France. Dull on our own extreme N. and NW. coasts as well as in Norway, with rain at Bodö and Christiansund; dull also in Greece and S^rn Italy, with rain at Athens. A little rain falling later in the extreme N. and NW. of our Islands, and larger quantities over the N^rn parts of Scandinavia, – as much as 1·6 in. at Christiansund.

Temperature risen over our Islands and the N^rn parts of the Continent, but fallen elsewhere. Morning readings highest 77° at Algiers, 73° at Malta and 72° at Oran; above 65° at most of the Mediterranean and Spanish coast stations. Lowest (1) 30° at Archangel, 32° at Hango, and 34° at Cracow and Munich; (2) 36° at Oxford & 37° at Loughborough. Rising during day to 60° or slightly above it at several of the English and Irish stations, to 65° and upwards in the W. and S. of France, and to 70° at Biarritz and Perpignan. Frost occurring over the central and SE^rn parts of England at night.

Wind SW^ly over the northern parts of our Islands, and also in Scandinavia and Denmark; strong in force on the Norwegian coasts, with a gale at Christiansund. Light to moderate from the SE^rly in the south of our Islands, and from the E^rly or NE^rly over the greater part of France, Spain, S^rn Germany and N^rn Italy; N^ly over central and southern Italy. N^ly or NW^ly over Austria and the western and southern parts of Russia. No important change occurring over western Europe during day.

Barometer highest 30·4 ins. and upwards over Germany and the Netherlands, 30·2 ins. and upwards in an anticyclone covering all the more central parts of Europe and extending W^rds over England and Ireland. Lowest 29·6 ins. and less in a large and rather deep depression off the N^rn parts of the Norwegian coasts; 29·8 ins. and less in a shallower disturbance over central Russia, 29·9 ins. and less in another system over Greece. Norwegian depression subsequently moving NE^wds, but barometer falling a little in most parts of W^rn Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 11th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.29	36	W	2	b	29.44	+.07	31	30	-9	W	2	b	*	b	*	45	31	-
	Hernösand	29.66	38	W	2	b	29.72	+.23	37	34	-4	W	2	c	*	b	*	50	32	-
	Stockholm	29.77	44	W	0	b	29.88	+.20	41	40	-11	S	2	b	*	b	*	55	?	0.04
	Wisby	29.80	51	WSW	6	b	29.94	+.10	49	48	+1	WNW	4	b	*	b	*	52	45	0.04
	Karlstad	29.81	42	W	0	o	29.81	+.12	49	48	-1	SW	2	r	*	b	*	*	*	-
	Bodö	29.38	40	W	6	r	29.43	+.16	41	39	+1	NSW	6	c	4	r	*	41	34	0.63
	Christiansund ...	29.76	42	NNW	5	bc	29.52	-.08	46	43	+2	NSW	3	r	3	bc	*	46	41	0.55
	Skudesnaes ...	29.93	52	NW	2	r	29.78	-.08	54	53	+2	SW	6	f	4	o,r	*	54	39	*
	Færder (X'iania Fjord)	29.83	53	W	1	b	29.78	+.07	53	51	0	NSW	6	o	3	b	*	55	52	-
	The Scaw (Skagen)	29.90	53	NNW	6	m	29.91	+.05	51	51	-2	NSW	3	c	0	m	*	55	48	-
	Fanö	30.10	53	NSW	3	b	30.05	-.03	55	53	+2	NSW	3	bc	*	b	*	57	53	-
BRITISH ISLANDS	Sumburgh Head ...	29.79	52	W	3	r	29.54	-.23	54	54	+4	W	3	r	4	o,r	*	54	49	0.28
	Stornoway	29.85	55	NSW	3	o	29.57	-.37	56	53	+4	SW	4	a	4	o	1.2	56	49	0.12
	Wick	29.87	56	NW	2	c	29.62	-.30	56	54	+3	W	3	bc	1	c	*	59	52	0.02
	Nairn	29.91	58	W	1	c	29.64	-.33	59	57	+7	W	1	bc	1	c	*	61	50	0.02
	Aberdeen	29.94	58	SW	3	cp	29.73	-.26	56	54	+1	SW	3	bc	2	c.p	5.7	68	54	0.12
	Leith	30.01	57	SW	1	o	29.79	-.27	56	52	+1	SSW	2	bc	*	o	*	64	54	-
	Shields	30.07	57	NSW	1	o	29.95	-.21	51	49	0	SSW	2	cm	2	o m.p	*	61	49	-
	Spurn Head ...	30.14	52	W	3	m	29.98	-.13	49	46	-1	SSW	3	m	1	m	*	59	45	-
	Loughborough ...	30.19	49	SW	1	b	30.02	-.24	45	45	+13	SSW	2	bcw	*	bm,bcm	*	62	32	-
	Malin Head ...	29.97	56	SSW	4	opm	29.72	-.36	55	55	0	SSW	5	o g	2	o.omp	*	57	54	0.07
	Blacksod Pt. ...	29.98	56	SSW	5	c	29.74	-.34	56	56	0	SSW	4	o	3	r.c	*	57	55	0.54
	Donaghadee ...	30.07	51	S	2	og	29.83	-.30	55	55	+3	S	4	cu	3	o p.g	*	57	51	-
	Liverpool (Brixton)	30.15	54	SW	1	c	29.94	-.27	46	45	-6	ESE	2	o	?	c	*	60	42	-
	Holyhead ...	30.14	55	SW	3	c	29.93	-.27	53	52	-2	SSE	3	am	2	bc.c	*	59	51	0.09
	Parsonstown ...	30.09	57	SW	1	o	29.83	-.34	58	56	+6	SW	1	o	*	c.o	4.4	63	50	-
	Valencia	30.06	59	SE	4	om	29.83	-.31	58	57	0	SSE	3	of	3	omam,om	0.0	60	57	0.12
	Roche's Point ...	30.13	56	S	3	am	29.88	-.33	57	57	+2	SSW	3	mf	3	am	*	61	55	0.20
	Pembroke (St. Ann's Hd.)	30.18	56	SW	4	bc	29.94	-.31	57	56	+7	SSW	4	og	3	bc	6.6	58	50	-
	Scilly	30.15	58	SSE	3	om	29.91	-.30	57	55	+1	SSE	4	o	1	bc.om	6.1	61	53	-
	Jersey (St. Aubin's) ...	30.24	57	W	0	b	30.02	-.27	56	52	+11	SE	3	cm	3	bm.b	*	60	?34	-
	Portland Bill ...	30.24	55	S	1	bc	30.02	-.26	55	53	+5	S	1	c	2	bc	*	58	48	-
	Dungeness	30.22	54	WSW	2	b	30.05	-.21	54	51	+14	SSW	2	bc	1	b	*	58	36	-
	London (Brixton) ...	30.22	50	W	0	m	30.02	-.26	41	41	+6	W	0	f	*	b.bmbw	3.5	62	35	-
	Oxford	30.20	49	SW	1	b	30.03	-.25	44	43	+7	SE	2	b	*	b.bf	*	62	36	-
	Yarmouth	30.18	57	WSW	2	b	30.04	-.17	46	45	0	WSW	2	bm	2	b	*	59	43	-
GERMANY.	Cuxhaven	30.14	52	SW	3	o	30.12	-.04	48	48	+6	SW	4	m	*	o	*	54	42	0.04
	Berlin	30.21	47	W	2	b	30.23	-.01	43	41	+8	SW	2	c	*	b	*	54	35	-
	Wiesbaden	*	*	*	*	*	30.21	-.09	39	39	+2	W	0	o	*	*	*	55	36	-
	Munich	30.32	48	W	0	b	30.27	-.07	43	42	+4	SE	1	b	*	b	*	61	37	-
FRANCE & NETHERLANDS.	The Helder ...	30.18	55	SW	1	m	30.09	-.11	45	44	-7	SSW	1	m	0	m	*	59	32	-
	Brussels	*	*	*	*	*	30.14	-.15	41	40	0	SW	1	m	*	b	*	58	37	-
	C. Gris Nez ...	30.24	54	W	0	m	30.06	-.20	46	43	0	S	1	b	?	m	*	57	?	-
	Paris	30.27	47	NE	2	b	30.13	-.17	33	33	+1	W	0	f	*	b	*	59	32	-
	Brest	30.21	58	S	1	b	29.95	-.30	54	52	+4	ESE	3	c	2	b	*	61	50	-
	Lorient	30.24	56	S	1	o	29.96	-.31	53	52	+5	ESE	4	o	5	o	*	63	48	-
	Rochefort	30.21	55	ENE	2	bc	29.99	-.25	57	55	+7	ESE	2	o	*	bc	*	73	50	-
	Belfort	30.24	56	W	0	m	30.21	-.05	49	48	-2	W	0	f	*	m	*	65	45	-
	Lyons	30.26	61	S	1	b	30.17	-.13	54	54	+4	S	1	f	*	b	*	71	50	-
	Nice	30.28	58	E	1	o	30.24	-.08	57	55	-1	W	0	o	1	o	*	63	55	-
	Perpignan	30.25	63	W	0	b	30.15	-.16	61	60	+7	W	2	o	*	b	*	74	54	-
	Biarritz	30.13	73	E	3	c	29.95	-.23	69	63	+8	SE	3	o	0	c	*	73	61	-
SPAN. PEN.	Corunna																*			
	Lisbon														*		*			
	Azores (P. Delgada)	29.88	68	S	4	c	29.87	+.14	67	65	0	S	2	o	4	c	*	70	64	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 7.8 *hrs.*

WEATHER CHARTS

FOR Wednesday, 11th October, 1899.

BAROMETER, WIND AND SEA.

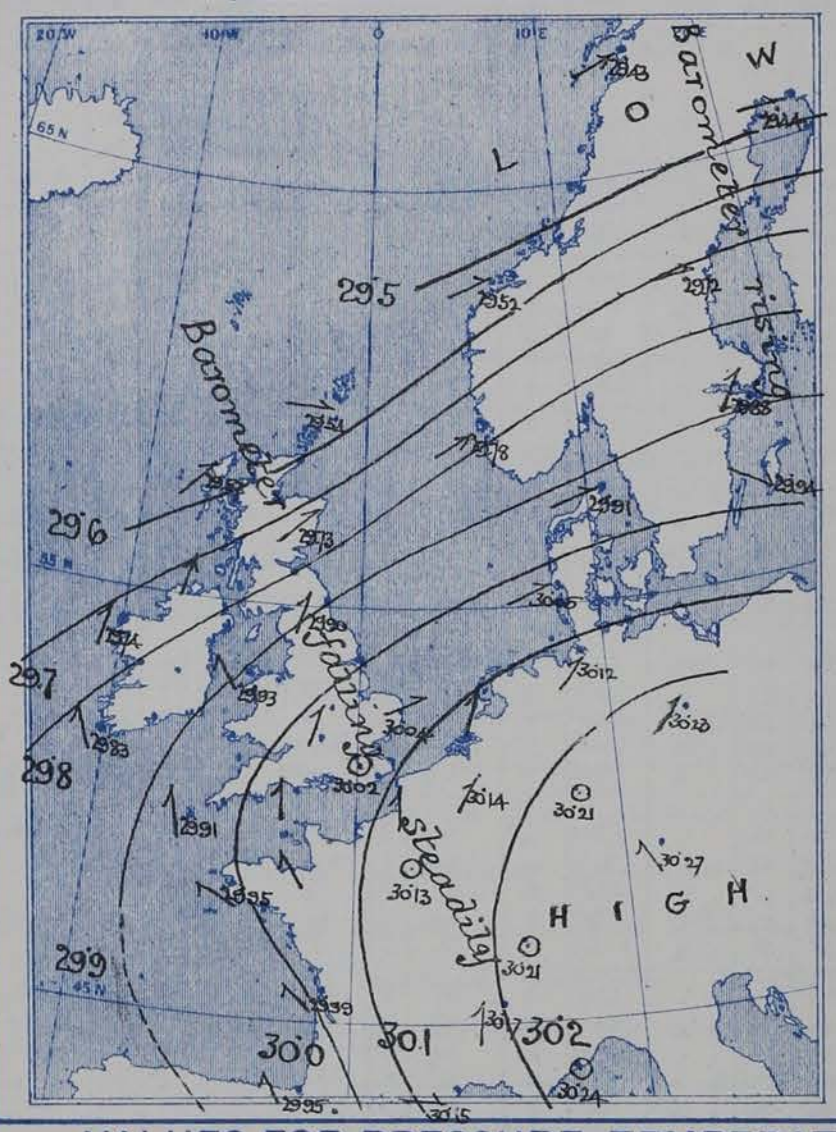
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

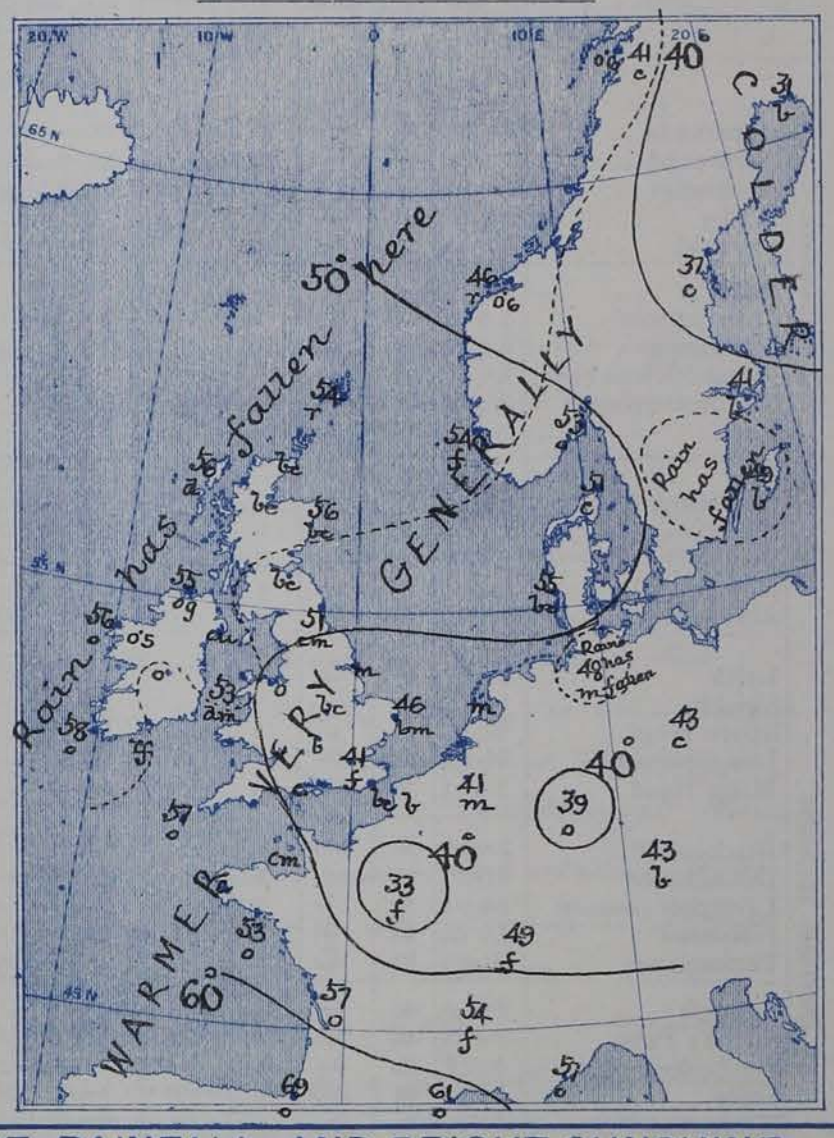


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards over Germany and the southeast of France; 30·0 in: and upwards in an anticyclone extending from Central Europe over the whole of France and the southeastern and central parts of England.
Lowest, 29·5 in: and less, over the northern parts of Scandinavia.
Gradients moderate over Scandinavia and the northern parts of our Islands and the North Sea, but slight elsewhere.
Barometer falling at all but the Swedish stations.

TEMPERATURE

Highest, (1) 69° at Biarritz and 61° at Perpignan; (2) 59° at Nairn and 58° at Parsonstown and Valencia (Ireland).
Lowest, (1) 31° at Haparanda and 37° at Hernösand; (2) 33° at Paris, 39° at Wiesbaden and 41° at Brussels; (3) 41° in London.
During yesterday the thermometer rose to 60° and upwards in most parts of the United Kingdom, and to 68° at Aberdeen.

WIND

Light to moderate from the SE^ly in the west and north of France, and from the S^ly or SW^ly in our Islands; SW^ly or W^ly in Scandinavia, Denmark, and North Germany, and strong in force at Bodö and Skudesnaes.
Calm or variable over the southern parts of France and Germany.

WEATHER

Fine over the eastern and central parts of our Islands generally (but foggy in London), as well as in Denmark & Sweden. A solar halo is reported at Oxford.
Cloudy or dull elsewhere, with fog over Central France, and rain at some of our western and extreme northern stations, as well as at Christiansund.
Since yesterday morning rain has fallen at many places in the west and north of our Islands, and also in Norway and the S. of Sweden.

SEA

Slight or smooth generally, but moderate off the north of Scotland and the west of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone continues to move away in a southeasterly direction, and the low pressure systems in the west and north are spreading more immediately over these Islands. Cloudy unsettled weather seems likely to become more general shortly, but there are at present no signs of any serious increase in the strength of the winds.

FORECASTS

For the 24 hours ending at NOON on 12TH OCTOBER 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^ly to S^ly winds, freshening; unsettled, rain at times.
1	SCOTLAND EAST	S^ly and SW^ly winds, moderate; fair at first, some rain later.
2	ENGLAND N.E.	
3	ENGLAND EAST	S^ly winds, light or moderate; fine at first, cloudy later, probably some rain.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S^ly winds, freshening; dull, unsettled, some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.91	52	51	WNW	6	o	4
Sumburgh Head	29.83	52	52	W	2	o	4
Stornoway... ...	29.92	56	52	WSW	4	o	4
Aberdeen	29.96	66	56	WSW	1	bc	2
Shields	30.09	59	55	WSW	2	om	2
Malin Head ...	30.00	56	56	SSW	4	o	2
Blacksod Pt. ...	30.06	57	56	SSW	5	r	4
Holyhead	30.19	57	54	SW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30.11	59	58	SE	4	omd	4
Scilly	30.19	59	55	SSE	3	bc	1
Jersey	30.26	58	53	ESE	3	b	3
Portland Bill ...	30.27	58	55	SSE	1	bc	2
Dungeness ...	30.24	58	53	SW	2	b	1
London (Westminster)	30.24	61	53	SSW	1	bm	*
Yarmouth ...	30.19	59	54	W	2	b	2
Rochefort ...	30.24	69	64	NW	1	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over western, central, and southern Europe as a whole, but foggy over the central parts of England and France. Dull on our own extreme western and northern coasts and also over Scandinavia, Denmark, and northern Russia, with rain at Bodö, Christiansund, Karlstad and Kuopio. Rain falling later at several of our own western and extreme northern stations, – rather heavily at Blacksod Point.

Temperature fallen over the greater part of England as well as in Germany, Austria, and Italy, risen in most other countries. Morning readings highest 75° at Algiers, 74° at San Fernando, 72° at Barcelona and Sfax, above 60° at most of the Mediterranean and Spanish coast stations, and above 55° on our own extreme west and southwest coasts. Lowest (1) 21° at Archangel; (2) 30° at Hermanstadt, 31° at Cracow and Kiev, and 32° in several parts of Central Europe, as well as at Paris and Loughborough. Rising during day to 60° and upwards in most part of the United Kingdom and to 68° at Aberdeen: exceeding 70° in the west and south of France.

Wind light to moderate from the W^ly or SW^ly over all the more northern parts of our Islands, and fresh to strong from the same quarters in Scandinavia and Denmark. Light from the E^ly or NE^ly over the English Channel, ~~and~~ the north and west of France, and the Spanish Peninsula; variable in the south of France; N^ly in Italy and Greece. Variable in Germany, calm in Austria, light from the NW^ly in the south of Russia. No important change occurring during day.

Barometer highest 30·51 in: at Hermanstadt, 30·1 in: and upwards in an anticyclone embracing England, the greater part of Ireland, and all the more central and southern parts of the Continent. Lowest 29·3 in: and less in a depression over the north of Norway. Anticyclone moving slowly southeastwards during day, and barometer falling in most parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 12th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London.— R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.50	37	W	2	b	29.52	+.08	29	29	-2	L	0	c	*	0	*	41	28	-
	Hernösand ...	29.50	44	N	2	bc	29.49	-.23	42	42	+5	N	2	f	*	bc	*	46	32	0.04
	Stockholm	29.76	54	SSW	2	o	29.74	-.14	52	50	+11	SW	4	o	*	o	*	55	36	-
	Wisby	29.88	53	W	8	b	29.86	-.08	50	48	+1	SW	6	bc	*	b	*	54	43	-
	Karlstad	29.72	54	NSW	1	o	29.66	-.15	49	48	0	SW	6	c	*	o	*	*	*	-
	Bodö	29.44	39	E	1	o	29.48	+.05	34	31	-7	E	2	b	1	o	*	43	32	0.12
	Christiansund ...	29.65	53	NSW	1	r	29.31	-.21	46	45	0	NSW	3	r	3	r	*	54	46	3.03
	Skudesnaes ...	29.67	54	SW	1	o	29.47	-.31	54	53	0	S	8	r	5	o	*	55	48	*
	Færder (X'iania Fjord)	29.68	54	SW	6	m	29.62	-.16	53	51	0	S	4	m	3	m	*	54	42	-
	The Scaw (Skagen)	29.82	53	NSW	3	m	29.68	-.23	50	48	-1	SW	3	m	0	m	*	57	50	-
	Fanö	29.91	52	NSW	2	c	29.70	-.35	45	44	-10	SSW	2	m	*	c	*	59	43	-
BRITISH ISLANDS	Sumburgh Head ...	29.41	53	SW	1	r	29.14	-.40	52	52	-2	SSW	2	r	3	o.r	*	54	50	0.87
	Stornoway	29.41	55	NSW	3	r	29.26	-.31	45	44	-11	NNW	4	o	4	o.r	0.0	56	42	0.90
	Wick	29.45	57	SW	4	o	29.24	-.38	48	46	-8	W	4	c	2	o	*	60	47	0.07
	Nairn	29.47	59	NSW	3	c	29.28	-.36	48	47	-11	W	2	c	2	c	*	63	46	0.11
	Aberdeen	29.54	55	S	3	c	29.28	-.45	53	50	-3	WSW	4	ogqp	3	cq.c	3.4	61	53	0.05
	Leith	29.59	58	SSW	4	o	29.36	-.43	52	50	-4	WSW	3	r	*	o	*	64	51	0.11
	Shields	29.71	56	SW	2	o	29.43	-.47	56	54	+5	SSW	4	o	2	o.r.o	*	63	49	0.02
	Spurn Head ...	29.77	55	SW	3	c	29.54	-.44	52	50	+5	SW	4	c	3	c	*	59	47	-
	Loughborough ...	29.82	55	S	1	c	29.59	-.43	50	48	+5	ESE	1	cw	*	bc.cm	*	64	45	-
	Malin Head ...	29.53	57	SW	4	o	29.44	-.28	49	46	-6	NW	5	bop	4	bc.op	*	61	49	0.48
	Blacksod Pt. ...	29.60	57	WSW	6	r	29.54	-.20	50	46	-6	NW	3	bc	3	c.r	*	60	52	0.34
	Donaghadee ...	29.63	57	S	3	cp	29.45	-.38	51	50	-4	W	2	om	4	cp	*	60	49	0.58
	Liverpool (Bidston)	29.76	53	S	1	c	29.49	-.45	57	55	+11	S	3	o	2	om	*	60	46	-
	Holyhead	29.75	57	SW	3	o	29.47	-.46	57	56	+4	SW	3	am	2	o.dmp.o	*	57	52	0.08
	Parsonstown ...	29.68	60	SW	1	o	29.56	-.27	49	48	-9	W	1	b	*	o	0.6	64	48	0.35
	Valencia	29.70	58	L	0	om	29.65	-.18	53	48	-5	W	5	bcr	5	om	0.0	60	51	0.34
	Roche's Point ...	29.73	56	SSW	2	f	29.61	-.27	52	50	-5	NNW	3	c	3	f.r	*	58	51	0.21
	Pembroke (St. Ann's Hd.)	29.66	54	SW	3	o	29.57	-.37	56	56	-1	SW	5	f	4	o	0.0	58	55	-
	Scilly	29.72	56	ESE	4	om	29.63	-.28	58	57	+1	SSW	3	f	2	or.om	0.3	60	55	-
	Jersey (St. Aubin's) ...	29.84	57	SE	2	o	29.61	-.41	58	57	+2	W	1	om	1	op.oa	*	58	45	0.17
	Portland Bill ...	29.84	56	S	2	o	29.64	-.38	54	54	-1	NE	2	om	2	bc.o	*	61	52	-
	Dungeness	29.87	57	SW	2	c	29.62	-.43	55	54	+1	SSW	1	p	1	o.c	*	60	53	0.06
	London (Brixton) ...	29.84	55	S	1	bm	29.61	-.41	51	50	+10	L	0	c	*	b.m.bw	4.8	65	40	-
	Oxford	29.80	53	SSW	2	b	29.62	-.41	51	49	+7	S	1	of	*	b	*	64	43	-
	Yarmouth	29.85	63	S	3	b	29.60	-.44	53	52	+7	S	2	bmw	2	b	*	56	45	-
GERMANY.	Cuxhaven	29.96	50	S	1	m	29.71	-.41	42	41	-6	SSW	3	f	*	m	*	55	37	-
	Berlin	30.06	49	SE	2	b	29.84	-.39	44	43	+1	SSE	8	c	*	b	*	57	43	-
	Wiesbaden	*	*	*	*	*	29.79	-.42	50	50	+11	ESE	1	m	*	*	*	55	39	0.08
	Munich	30.08	49	SE	3	b	29.97	-.30	48	46	+5	L	0	o	*	b	*	61	41	0.04
FRANCE & NETHERLANDS.	The Helder ...	29.88	47	SSE	1	m	29.65	-.44	45	44	0	L	0	m	0	m	*	57	39	-
	Brussels	*	*	*	*	*	29.69	-.45	53	52	+12	SSE	1	r	*	c	*	60	41	-
	C. Gris Nez ...	29.87	52	S	1	m	29.65	-.41	50	?	+4	SSE	1	r	0	m	*	59	46	?
	Paris	29.91	54	ESE	1	o	29.69	-.44	59	58	+26	S	8	r	*	o	*	60	33	0.20
	Brest	29.69	58	SE	2	r	29.71	-.24	57	56	+3	NW	2	c	3	r	*	59	52	0.59
	Lorient	29.77	61	SW	5	r	29.73	-.23	58	57	+5	NNW	5	r	5	r	*	64	52	0.87
	Rochefort	29.94	63	NSW	3	bc	29.84	-.15	63	62	+6	W	5	r	*	bc	*	68	52	1.34
	Belfort	29.97	60	NNE	1	o	29.85	-.36	58	56	+9	SW	2	o	*	o	*	67	49	0.20
	Lyons	30.01	59	S	1	c	29.93	-.24	58	57	+4	S	1	c	*	c	*	67	54	0.28
	Nice	30.12	58	L	0	o	29.99	-.25	55	55	-2	E	3	c	3	o	*	68	54	1.10
	Perpignan	30.02	66	W	2	o	30.01	-.14	59	58	-2	SW	2	o	*	tlr	*	73	57	0.08
	Biarritz	29.99	64	NE	3	r	29.95	.00	65	61	-4	S	3	o	2	tlr	*	70	61	1.50
SPAN. PEN.	Corunna																*			
	Lisbon														*		*			
	Azores (P. Delgada)	29.80	67	S	5	o	29.70	-.17	64	62	-3	NNW	3	c	4	o	*	72	63	0.64

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·3 hrs.

WEATHER CHARTS

FOR Thursday, 12th October, 1899.

BAROMETER, WIND AND SEA.

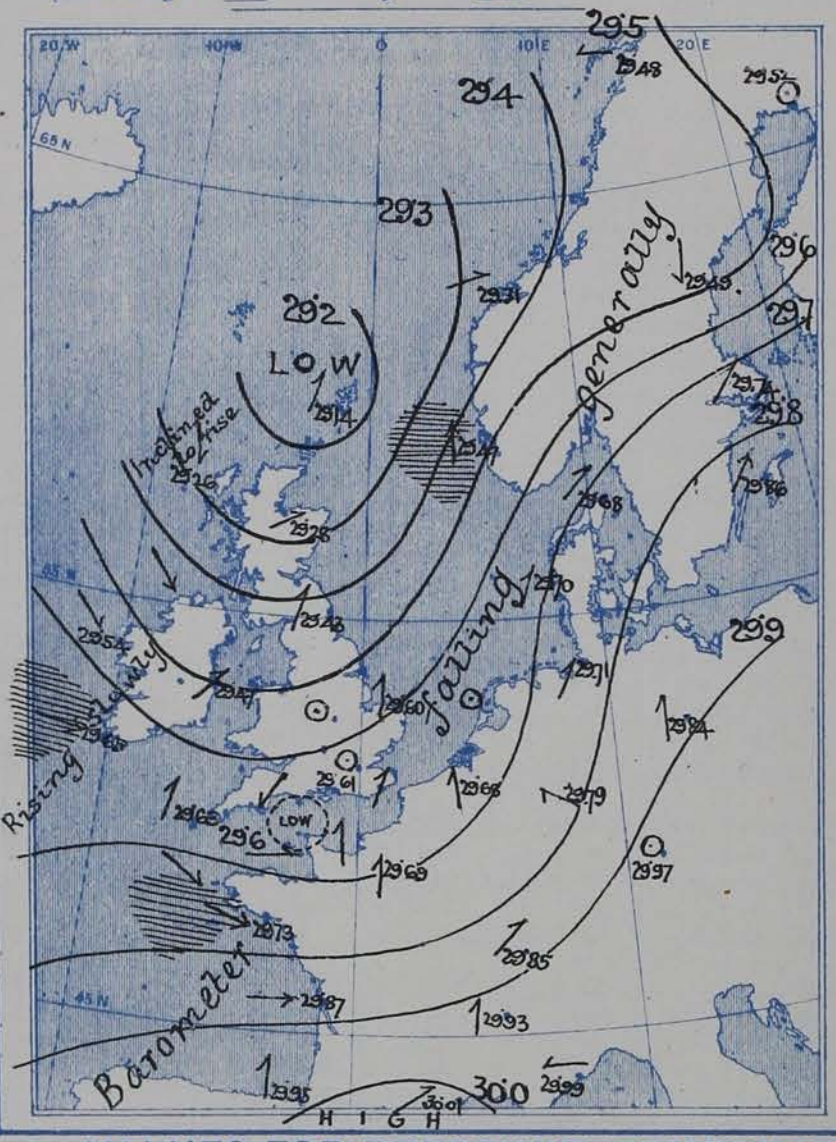
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

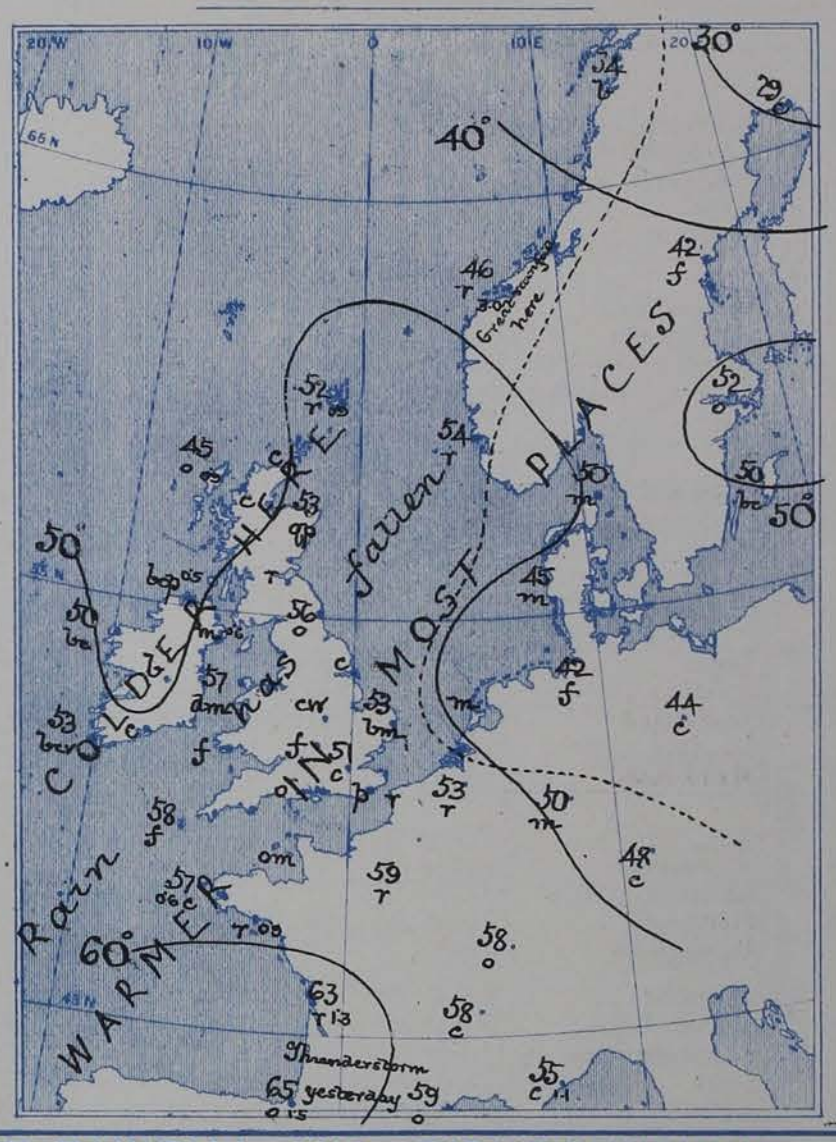


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29·9 in: and upwards over the southern parts of France and Germany.
Lowest, 29·2 in: and less, in a depression with its centre near the Shetlands; 29·6 in: and less, in a small and very shallow system over the English Channel.
Gradients moderate over the south of Scandinavia and the northern parts of the North Sea, slight elsewhere.
Barometer falling generally, but beginning to rise again on our own extreme western coasts.

TEMPERATURE

Highest, 65° at Biarritz, 63° at Rochefort, 59° at Paris and Perpignan, and 58° at Scilly, Jersey, Lorient, and Brest.
Lowest, (1) 29° at Haparanda and 34° at Bodö; (2) 42° at Cuxhaven and 44° at Berlin; (3) 45° at Stornoway.
During yesterday the thermometer rose to 60° or slightly above it in most parts of the United Kingdom, and to 65° in London.

WIND

Light to moderate from the S.ward or SW.ward in most parts of Great Britain, and also over the Netherlands, Denmark, and North Germany; strong from the same quarters in the south of Scandinavia, with a gale at Skudesnaes.
Moderate to fresh from the W.ward or NW.ward in Ireland and the west of Scotland and also over the Bay of Biscay; calm or variable over the southern parts of France and Germany.

WEATHER

Cloudy and unsettled over Western Europe as a whole, with fog at the mouths of the English and Bristol Channels, and rain in several parts of Great Britain and France, as well as in the west of Norway.
Fine at most of the Irish stations.
Since yesterday morning rain has fallen in many parts of our area,—heavily in the Shetlands, the Hebrides, and the west of Norway, and also in the west and south of France; at Christiansund the amount was as much as 3·0 ins:. Thunderstorms have occurred at Biarritz & Perpignan.

SEA

Moderate or slight generally, but rather rough at Valencia (Ireland) and also at Skudesnaes.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A "V shaped" depression has spread over our Islands from the westward, its centre being now situated near the Shetlands. Rain is still probable in many part of Great Britain, and is likely to be followed, temporarily, by finer and cooler weather.

FORECASTS

For the 24 hours ending at NOON on 13th Oct.r 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW.ly winds, freshening; squally, showery
1 SCOTLAND EAST	
2 ENGLAND N.E.	Same as No 5.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	S.ly to W.ly winds, moderate; cloudy, some rain. Cooler.
6 SCOTLAND WEST	Same as Nos 0 and 1.
7 ENGLAND N.W.	SW.ly to NW.ly winds, freshening; some rain at first then fair.
8 ENGLAND S.W.	
9 IRELAND NORTH	NW.ly winds, fresh or strong; squally, some showers.
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.75	55	54	SW	6	o	4
Sumburgh Head	29.46	54	54	W	2	o	4
Stornoway... ...	29.46	56	56	WSW	3	r	3
Aberdeen	29.60	58	55	SW	5	cqu	3
Shields	29.81	61	56	SW	2	ou	2
Malin Head ...	29.60	60	59	SSW	5	bcp	2
Blacksod Pt.. ...	29.64	58	57	WSW	5	c	4
Holyhead	29.80	57	55	S	3	omap	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.75	60	59	SSE	2	om	3
Scilly	29.80	58	57	ESE	4	or	2
Jersey	29.90	58	53	SE	4	op	3
Portland Bill ...	29.90	61	58	S	3	bc	2
Dungeness ...	29.92	59	57	SW	3	o	2
London (Westminster)	29.89	64	58	SSW	2	bm	*
Yarmouth ...	29.90	55	53	SSE	3	b	3
Rochefort ...	29.92	66	64	SW	1	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the eastern and central parts of our Islands generally, as well as over Sweden, Denmark, Austria, Italy, and the south of Russia. Cloudy or dull elsewhere, with fog over Central France and in London, and rain at some of our more western and extreme northern stations, as well as at Christiansund and Karlstad. Rain falling later in many parts of Western Europe, heavily in the Shetlands and west of Norway, and also in the west and south of France. Thunderstorms occurring at Biarritz and Perpignan.

Temperature risen in most countries, but fallen in Sweden and Finland. Morning readings highest 74° at Algiers, 73° at Oran, and 72° at Nemours, above 60° at the Mediterranean and Spanish coast stations generally, and very little below it in some parts of Ireland and Scotland. Lowest (1) 31° at Archangel and Haparanda; (2) 31° at Hermansladt and 34° at Nicolaieff; (3) 33° at Paris. Rising during day to 60° and upwards in many parts of the United Kingdom and to 65° in London; exceeding 65° in the west and south of France, and reaching 73° at Perpignan.

Wind light to moderate from the SE^{ly} in the west and north of France, and from the S^{ly} or SW^{ly} over the Spanish Peninsula and the greater part of the United Kingdom; SW^{3} or W^{3} in Scandinavia, Denmark, and North Germany, and strong in force on the Norwegian coasts, W^{3} or NW^{3} in Russia, calm or variable in Austria and the south of Russia; N^{3} (NE to NW) in Greece and Italy. Subsequently becoming rather variable in the west of France; no important change occurring elsewhere.

Barometer highest 30·3 ins: and upwards over Austria and the extreme south of Russia; 30·1 ins: and upwards, in an anticyclone embracing nearly the whole of central and southern Europe. Lowest 29·4 ins: and less, over the extreme northern part of Russia and Scandinavia; shallow depression lying over the Bay of Biscay. Large depression advancing later to our extreme northern coasts, and small secondary system appearing near the mouth of the English Channel.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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DAILY WEATHER REPORT

for 8 a.m. on Friday 13th October, 1899.

Issued by the Meteorological Office, 63, *Victoria Street, London.* R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.57	32	NE	4	s	29.38	− .14	44	43	+ 15	S	4	r	*	s	*	44	27	0.16
	Hernösand	29.41	48	S	4	f	29.28	− .21	45	44	+ 3	S	4	f	*	f	*	50	36	—
	Stockholm	29.62	48	SSW	2	b	29.34	− .40	50	49	− 2	SE	4	r	*	b	*	55	46	—
	Wisby	29.65	46	SSW	4	b	29.36	− .50	51	50	+ 1	SSW	4	o	*	b	*	55	45	—
	Karlstad	29.48	47	SW	2	b	29.13	− .53	47	47	− 2	NE	2	r	*	bc	*	*	*	0.20
	Bodö	29.29	35	E	4	o	29.13	− .35	41	37	+ 7	E	5	o	2	o	*	?	32	—
	Christiansund ...	29.10	48	NE	3	r	29.05	− .26	47	45	+ 1	NE	4	r	3	r	*	48	46	0.71
	Skudesnaes ...	29.23	50	S	4	r	29.05	− .42	45	43	− 9	E	2	o	4	f.r	*	55	43	*
	Færder (X'iania Fjord)	29.41	53	SSE	4	m	29.03	− .59	50	49	− 3	ESE	4	r	3	m	*	53	50	0.04
	The Scaw (Skagen)	29.42	52	S	3	m	29.03	− .65	52	52	+ 2	SSW	3	m	0	m	*	54	50	0.12
	Fanö	29.35	50	S	4	r	29.23	− .47	50	47	+ 5	W	6	c	*	r	*	54	45	0.08
BRITISH ISLANDS	Sumburgh Head ...	29.08	46	W	4	o	29.24	+ .10	43	41	− 9	N	9	op	7	c, o	*	53	38	0.39
	Stornoway	29.38	43	NNW	5	o	29.72	+ .46	42	40	− 3	NNW	5	ohq	5	c, o	6.0	48	38	0.10
	Wick	29.28	40	NW	5	o	29.52	+ .28	43	42	− 5	NNW	8	chpw	3	o	*	51	40	0.24
	Nairn	29.35	45	W	2	c	29.64	+ .36	42	41	− 6	WNW	3	bc	3	c	*	52	38	0.03
	Aberdeen	29.32	45	WNW	4	bcq	29.55	+ .27	41	39	− 12	WNW	9	cpqw	5	bcqw, bcq	3.3	55	39	0.10
	Leith	29.37	48	W	2	c	29.68	+ .32	43	39	− 9	WSW	2	bw	*	c	*	56	39	0.03
	Shields	29.37	49	W	2	c	29.60	+ .17	41	39	− 15	W	4	c	2	r, c	*	58	37	—
	Spurn Head ...	29.37	51	NW	4	r	29.60	+ .06	45	43	− 7	WNW	7	bc	5	r	*	58	42	0.25
	Loughborough ...	29.46	50	W	4	o	29.74	+ .15	42	41	− 8	WNW	3	cw	*	cpq, bc	*	67	40	0.14
	Malin Head ...	29.48	47	NNW	5	bcp	29.84	+ .40	47	44	− 2	NNW	5	bp	4	bcp	*	50	44	0.05
	Blacksod Pt. ...	29.62	49	NW	4	c	29.91	+ .37	47	?	− 3	NNW	2	b	1	c, em	*	?	45	0.06
	Donaghadee	29.58	45	W	3	bcp	29.86	+ .41	45	44	− 6	N	5	chpq	5	bcp	*	54	40	0.04
	Liverpool (Bidston)	29.47	49	W	5	o	29.77	+ .28	49	43	− 8	WNW	7	bc	7	r, bc, bl	*	59	43	0.68
	Holyhead	29.53	50	WNW	5	cp	29.84	+ .37	48	45	− 9	NW	7	bcq	5	cp	*	57	45	0.48
	Parsonstown ...	29.66	44	W	1	bc	30.01	+ .45	38	37	− 11	W	1	b	*	bc, p	5.5	54	36	0.07
	Valencia	29.80	51	W	6	bcpq	30.08	+ .43	45	42	− 8	W	0	b	3	bcpq	7.8	55	40	0.10
	Roche's Point ...	29.73	50	NW	5	bcq	30.04	+ .42	46	43	− 6	N	4	b	3	bc	*	55	42	0.01
	Pembroke (St. Ann's Hd.)	29.59	52	NW	5	bc	29.98	+ .41	49	45	− 7	NNW	5	bc	4	bc	2.6	58	46	0.19
	Scilly	29.72	54	WNW	6	c	30.00	+ .37	54	49	− 4	NNW	5	c	4	c	3.0	60	48	0.02
	Jersey (St. Aubin's) ...	29.63	61	W	3	opq	29.93	+ .32	52	46	− 6	W	3	bc	3	opq	*	62	49	0.06
	Portland Bill ...	29.56	55	NW	6	bc	29.84	+ .20	49	47	− 5	NW	7	b	5	cd, bc	*	61	47	0.04
	Dungeness	29.49	59	WSW	3	c	29.77	+ .15	48	46	− 7	NW	5	b	4	o, c	*	59	42	0.11
	London (Brixton) ...	29.48	58	W	3	op	29.80	+ .19	43	41	− 8	WNW	3	bc	*	c, op, b	1.2	64	40	0.07
	Oxford	29.56	49	W	3	bc	29.82	+ .20	44	41	− 7	W	3	b	*	cp, bc	*	64	40	0.19
	Yarmouth	29.40	59	SSW	3	bc	29.64	+ .04	45	42	− 8	WNW	5	b	3	b, bc	*	62	40	0.05
GERMANY.	Cuxhaven	29.49	54	S	1	m	29.37	− .34	51	48	+ 9	W	5	c	*	m	*	55	42	0.12
	Berlin	29.69	55	SSE	3	o	29.46	− .38	58	56	+ 14	WSW	4	o	*	o	*	63	44	—
	Wiesbaden	*	*	*	*	*	29.68	− .11	51	49	+ 1	WSW	6	b	*	*	*	57	50	0.32
	Munich	29.85	56	SW	2	r	29.77	− .20	52	50	+ 4	SW	2	o	*	r	*	63	48	0.04
FRANCE & NETHERLANDS.	The Helder ...	29.41	55	SSW	1	m	29.52	− .13	50	46	+ 5	WNW	5	r	4	m	*	59	48	0.20
	Brussels	*	*	*	*	*	29.75	+ .06	46	44	− 7	SW	4	b	*	o	*	62	48	0.28
	C. Gris Nez ...	29.50	57	W	1	o	29.73	+ .08	48	45	− 2	NW	7	bc	7	o	*	59	46	0.08
	Paris	29.63	66	SW	4	bc	29.84	+ .15	48	44	− 11	SW	2	b	*	bc	*	63	46	0.08
	Brest	29.76	56	NNW	3	o	29.97	+ .26	52	48	− 5	NNW	4	c	3	o	*	63	48	0.12
	Lorient	29.73	60	NW	6	r	30.00	+ .27	52	49	− 6	NW	5	c	5	r	*	64	50	0.08
	Rochefort	29.76	64	W	6	r	30.01	+ .17	54	52	− 9	NNE	3	o	*	o, r	*	68	50	0.67
	Belfort	29.75	59	WSW	8	c	29.80	− .05	49	47	− 9	W	7	o	*	c	*	62	49	0.24
	Lyons	29.89	60	S	1	?	29.91	− .02	59	56	+ 1	NW	2	r	*	?	*	68	56	0.12
	Nice	29.92	60	S	2	o	29.86	− .13	59	56	+ 2	NE	3	c	2	o	*	68	55	—
	Perpignan	29.97	64	S	2	b	29.96	− .05	65	60	+ 6	NW	2	o	*	b	*	77	59	—
	Biarritz	29.95	70	WNW	5	o	29.97	+ .02	61	61	− 4	NE	2	r	4	o	*	75	61	0.39
SPAN. PEN.	Corunna																*			
	Lisbon	30.16	67	SW	4	bc	30.05	− .16	67	66	+ 1	SE	3	r	*	bc	*	72	66	—
	Azores (P. Delgada)	29.78	67	W	4	c	29.84	+ .14	66	64	+ 2	WNW	4	c	4	c	*	72	63	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

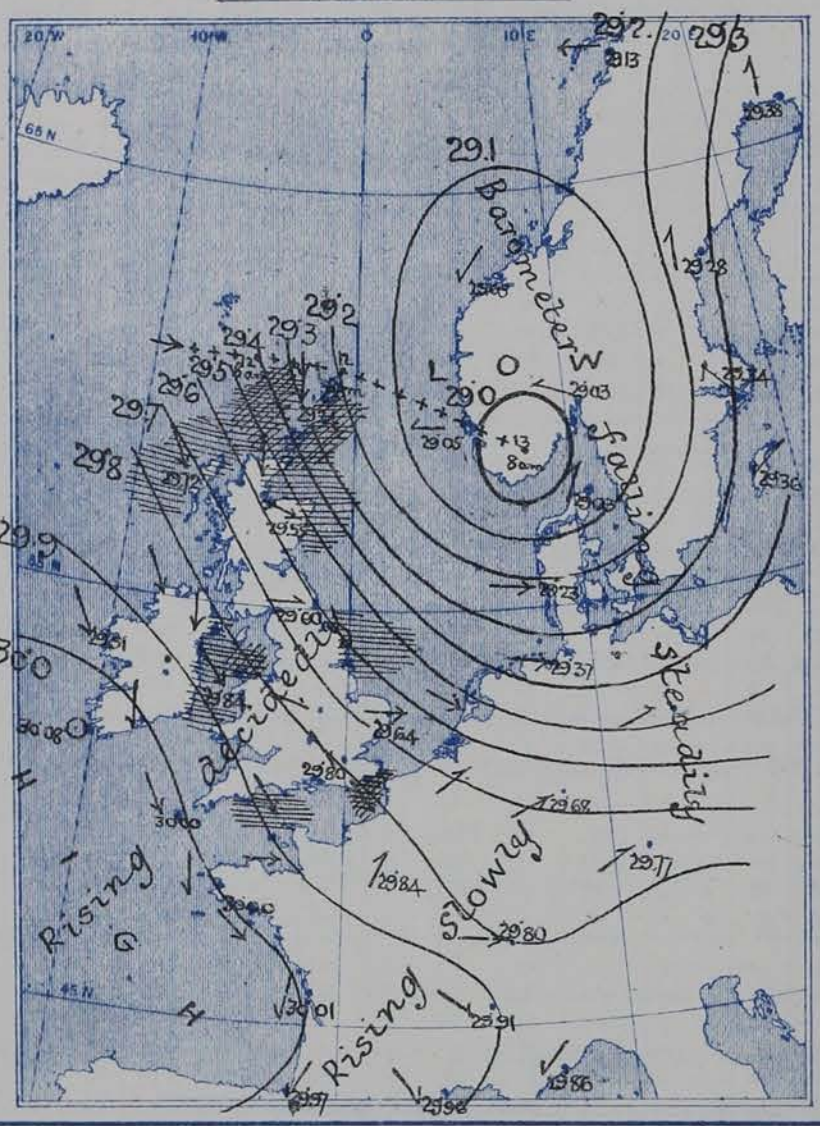
Bright Sunshine yesterday Southport 0·6 *hrs.*

WEATHER CHARTS

FOR Friday, 13th October, 1899.

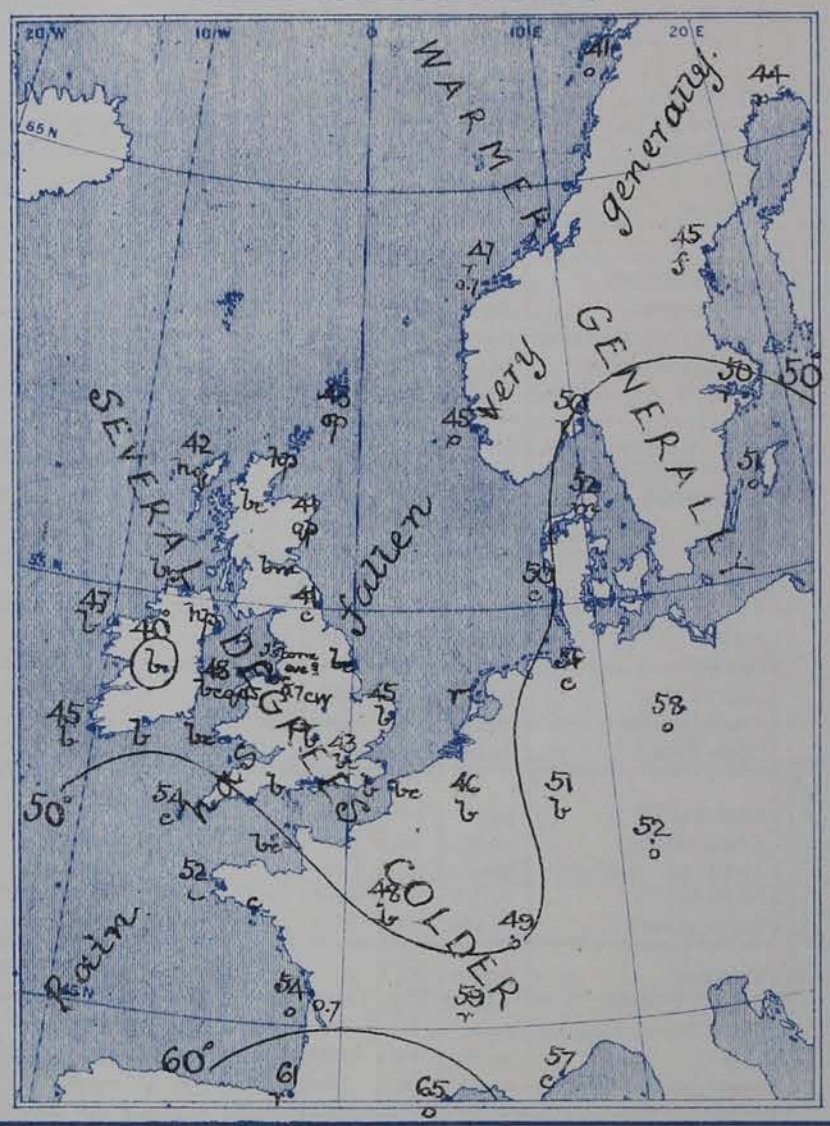
BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and upwards in an anticyclone lying over the Bay of Biscay & the S. of Ireland.
Lowest 29.0 ins. and less in a deep depression with its centre over the extreme S. of Norway.
Gradients steep or rather so over Scotland, the North Sea, Denmark and N. Germany, moderate or slight elsewhere.
Barometer rising in our Islands and France, but falling in Scandinavia, Denmark & Germany.

TEMPERATURE

Highest 65° at Perpignan, 61° at Biarritz, 59° at Lyons and 58° at Berlin; highest in our Islands 57° at Scilly.
Lowest (1) 38° at Parsonstown, and 41° at Aberdeen and Shields; (2) 41° at Bodo, & 44° at Haparanda.
During yesterday the thermometer rose to 60° and upwards at several of our central and southern stations, and to 67° at Loughborough.

WIND

Fresh to strong from the NW^ly over the greater part of our Islands, with a gale in the north of Scotland; light from the N^ly in the west and south of France.
Moderate to strong from the W^ly or SW^ly over Denmark, Germany and the Netherlands; light to moderate from the S^ly in Sweden and from the E^ly or NE^ly in Norway.

WEATHER

Fine over England, the S. of Ireland and the N. of France; showery in Scotland and the N. of Ireland, with hail at Stornoway and Donagladee.
Cloudy at most of the Continental stations, with rain in the S. of Scandinavia and also at the Helder, Lyons and Biarritz.
Rain fell yesterday over W^rn Europe generally, the largest amount reported being 0.7 in. at Christiansund, Liverpool and Rochfort. A thunderstorm occurred at Liverpool in the evening.

SEA

High at Berwick N., Liverpool and Cape Gris Nez, and rather rough on our NW. N. and E. coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday has moved E^wds and SE^wds its centre being now found over the extreme S. of Norway. The barometer is at present rising decidedly in the extreme W. of our Islands, but the wind there is falling to a calm. It is probable that in the course of the day further disturbances will begin to appear off our W^rn coasts.

FORECASTS

For the 24 hours ending at NOON on 14TH OCTOBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	NW^ly gales, moderating and backing later, squally and showery at first, then fair	6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	NW^ly winds, backing later to the SW^wd; fine at first then cloudy and probably some rain.
2 ENGLAND N.E. 3 ENGLAND EAST	Same as No. 5		
4 MIDLAND COUNTIES 5 ENGLAND SOUTH	NW^ly winds, fresh or strong at first, moderating later, fair generally, but local showers, frost inland at night.	WARNINGS	At 0.15 pm yesterday to districts 0 and part of 1 Hoist North Cone.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.36	55	54	SSW	7	f	5
Sumburgh Head	29.05	51	49	WSW	2	c	3
Stornoway... ...	29.34	45	43	NNW	5	c	5
Aberdeen	29.29	54	46	WNW	5	bcqu	3
Shields	29.38	51	50	W	2	r	2
Malin Head ...	29.44	49	46	NW	5	bc	4
Blacksod Pt.. ...	29.59	51	46	NW	4	c	4
Holyhead	29.50	52	50	NW	3	cp	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.74	53	49	W	6	bcq	5
Scilly	29.67	57	54	WNW	5	c	3
Jersey	29.65	61	59	W	3	c	3
Portland Bill ...	29.60	58	57	SW	1	c	1
Dungeness ...	29.53	59	58	SW	1	c	1
London (Westminster)	29.52	62	58	WSW	2	c	*
Yarmouth ...	29.46	62	58	SSW	2	b	2
Rochefort ...	29.84	66	64	WNW	5	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy and unsettled over our Islands and a considerable portion of the Continent, with fog at the mouths of the English and Bristol Channels; rain falling in several parts of Gt. Britain, France and N^rn Italy, as well as in the W. of Norway and over the Gulf of Finland. Fine over E^rn Germany, Austria and the S^rn parts of Russia and Italy, with fog in a few places. Rain falling later over W^rn Europe generally, - rather heavily in places; thunderstorm occurring at Liverpool.

Temperature fallen in Ireland and Scotland, as well as in Denmark, N. Germany, Spain and the extreme S. of France, rose elsewhere. Morning readings highest 75° at Algiers, 73° at Spes, and 72° at Oran; above 65° at several of the Mediterranean and Spanish coast stations. Lowest (1) 29° at Haparanda, and 34° at Bodö, (2) 33° at Kharkov, and 35° at Cracow. Rising during day to 60° and upwards at most of our central and S^rn stations, and to 67° at Loughborough; exceeding 70° in the S. of France, and reaching 77° at Perpignan.

Wind moderate to fresh from the W^rd or NW^rd over Ireland and the W. of Scotland, and also in the west of France; moderate from SW. in most parts of Gt. Britain; light from S. over the Netherlands, Denmark and Germany, strong from S. or SW. over the south of Scandinavia; variable over the north of Scandinavia. Calm or variable over Austria and the south of Russia, N^ly or NW^ly in Italy, E^ly in the extreme south of France. Subsequently veering to the NW^rd on all our own western and northern coasts, and increasing at night to a gale in the north of Scotland.

Barometer highest 30.1 ins. to 30.3 ins. in an anticyclone covering all the SE^rn parts of Europe, and also in a smaller system over the central and S^rn parts of Spain. Lowest 29.2 ins and less in a depression with its centre a little to the NW. of the Shetlands. Depression subsequently moving E^wds, and barometer rising on all our W^rn & N^rn coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France, at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 14th October, **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.28	45	S	4	r	29.28	-.10	45	45	+ 1	S	2	0	*	r	*	45	32	0.20
	Hernösand	29.11	48	S	4	0	29.15	-.13	45	43	0	S	6	f	*	0	*	52	39	0.39
	Stockholm	29.30	46	L	0	b	29.26	-.08	48	43	- 2	SSW	6	b	*	b	*	52	45	? 0.16
	Wisby	29.38	48	SW	6	b	29.46	+.10	46	43	- 5	SSW	8	b	*	b	*	54	43	0.08
	Karlstad	29.07	47	SW	8	0	29.20	+.07	43	42	- 4	W	6	b	*	0.r	*	*	*	0.20
	Bodö	29.03	46	E	4	0	28.99	-.14	45	43	+ 4	L	0	0	1	0	*	48	37	0.16
	Christiansund ...	28.91	46	NNE	3	0	29.44	+.39	42	39	- 5	N	9	r	6	0	*	47	41	1.30
	Skudesnaes ...	29.12	48	NNW	9	0	29.65	+.60	45	39	0	NNW	9	c	5	c.o	*	50	39	*
	Færder (X'iania Fjord)	28.85	49	SW	7	0	29.30	+.27	49	41	- 1	WNW	6	0	5	0	*	50	45	0.28
	The Scaw (Skagen)	29.04	49	W	7	c	29.41	+.38	48	43	- 4	NW	8	b	3	c	*	52	46	0.04
	Fanö	29.58	46	W	8	c	29.75	+.52	46	42	- 4	NW	6	c	*	c	*	52	43	0.20
BRITISH ISLANDS.	Sumburgh Head ...	29.55	39	NW	8	r	29.94	+.70	40	36	- 3	NW	4	0	6	c.r	*	44	38	0.05
	Stornoway	29.89	42	NNW	5	0	30.08	+.36	38	36	- 4	WNW	3	c	3	hp.o.c	3.4	44	34	0.05
	Wick	29.75	38	NNW	7	c	30.05	+.53	42	40	- 1	NNW	3	c	2	hp.c	*	44	36	0.05
	Nairn	29.86	39	WNW	4	bc	30.11	+.47	39	38	- 3	WSW	1	b	1	rsp.bc	*	46	35	0.03
	Aberdeen	29.79	39	WNW	7	bcq	30.10	+.55	42	38	+ 1	WNW	3	bc	3	bcphr.bq	5.3	46	37	0.04
	Leith	29.87	45	W	2	c	30.16	+.48	38	35	- 5	W	2	bm	*	c	*	54	35	-
	Shields	29.85	45	NW	3	bc	30.12	+.52	36	34	- 5	W	3	c	3	b.bc	*	51	33	-
	Spurn Head ...	29.89	49	NW	6	b	30.10	+.50	41	39	- 4	NW	5	b	5	b	*	51	37	-
	Loughborough ...	30.01	45	WNW	5	c	30.17	+.43	40	39	- 2	N	1	bcmw	*	bq.c.bo	*	55	39	-
	Malin Head ...	29.93	50	NNW	5	bcp	30.15	+.31	46	43	- 1	N	2	bc	1	b.bcp	*	50	43	0.03
	Blacksod Pt. ...	?	46	SE	2	b	30.13	+.22	46	44	- 1	SE	2	b	2	bc.c	*	54	45	0.08
	Donaghadee ...	29.95	47	NW	4	cqp	30.18	+.32	44	43	- 1	NW	2	c	3	cqp	*	52	43	0.03
	Liverpool (Bidston)	29.99	47	W	5	b	30.17	+.40	42	39	- 7	L	a	b	?	b	*	51	41	0.06
	Holyhead	30.02	50	WNW	5	cp	30.16	+.32	48	42	0	NE	3	bc	2	c	*	56	42	0.03
	Parsonstown ...	30.10	47	W	1	b	30.19	+.18	31	31	- 7	NE	1	a	*	b	9.2	54	31	-
	Valencia	30.16	47	L	0	b	30.14	+.06	44	43	- 1	L	0	c	2	bv.b	8.9	55	36	-
	Roche's Point ...	30.12	51	W	3	b	30.17	+.13	42	40	- 4	ENE	2	b	3	b	*	57	38	-
	Pembroke (St. Ann's Hd.)	30.11	51	NNW	4	b	30.14	+.16	48	46	- 1	NE	3	bc	2	b	9.4	52	45	0.01
	Scilly	30.11	51	NNE	2	b	30.11	+.11	51	46	- 3	ENE	3	bc	2	b	9.9	56	45	-
	Jersey (St. Aubin's) ...	30.11	53	W	2	b	30.15	+.22	50	46	- 2	NNE	3	cm	3	bc, b.q	*	57	40	-
	Portland Bill ...	30.09	52	N	4	b	30.17	+.33	49	46	0	NNE	2	bc	2	bc.b	*	55	42	-
	Dungeness	30.02	45	NNW	1	b	30.14	+.37	41	39	- 7	NNW	1	b	1	b	*	54	33	-
	London (Brixton) ...	30.02	48	WNW	2	cm	30.16	+.36	38	37	- 5	W	1	b	*	b.bmw	7.3	55	33	-
	Oxford	30.10	43	W	2	b	30.17	+.35	39	38	- 5	WSW	2	b	*	b	*	54	36	-
	Yarmouth	29.88	47	W	4	b	30.10	+.46	43	42	- 2	WNW	3	cdm	4	b	*	50	36	0.01
GERMANY.	Cuxhaven	29.58	56	WSW	4	r	29.85	-.48	46	44	- 5	WNW	6	c	1*	qtlr	*	55	37	0.35
	Berlin	29.74	46	W	5	b	29.94	+.48	42	39	- 16	W	5	c	*	b	*	59	41	0.04
	Wiesbaden	*	*	*	*	*	30.15	+.47	37	36	- 14	L	0	b	*	*	*	59	37	-
	Munich	30.03	41	W	5	r	30.20	+.43	39	37	- 13	W	3	b	*	r	*	57	37	0.51
FRANCE & NETHERLANDS.	The Helder ...																*			
	Brussels	*	*	*	*	*									*		*			
	C. Gris Nez ...	30.01	51	NW	5	bc	30.10	+.37	49	47	+ 1	N	2	bc	3	bc	*	59	46	-
	Paris	30.09	48	NW	2	b	30.19	+.35	32	32	- 16	ENE	1	b	*	b	*	55	32	-
	Brest	30.11	49	NE	1	b	30.08	+.11	44	43	- 8	NE	2	bc	2	b	*	59	43	-
	Lorient	30.10	53	E	4	c	30.06	-.06	46	43	- 6	E	5	c	4	c	*	59	46	-
	Rochefort	30.10	55	N	2	0	29.92	-.09	46	45	- 8	E	5	bc	*	c.o	*	64	43	-
	Belfort	30.04	42	W	2	bc	30.17	+.37	36	35	- 13	NE	2	m	*	bc	*	59	33	0.04
	Lyons	30.08	49	NW	1	?	30.11	+.20	42	40	- 17	N	1	bc	*	?	*	59	41	-
	Nice	29.79	60	SSE	2	bc	29.88	+.02	54	51	- 3	E	3	b	2	bc	*	68	52	-
	Perpignan	29.98	66	W	2	0	29.98	+.02	57	53	- 8	NE	2	0	*	0	*	78	53	-
	Biarritz	29.99	58	E	3	r	29.80	-.17	54	50	- 7	E	5	c	2	r	*	61	50	-
SPAN. PEN.	Corunna																*			
	Lisbon														*		*			
	Azores (P. Delgada)	29.93	66	NW	2	c	29.93	+.09	66	64	+ 2	NW	3	r	3	c	*	73	63	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 8.7 *hrs.*

WEATHER CHARTS

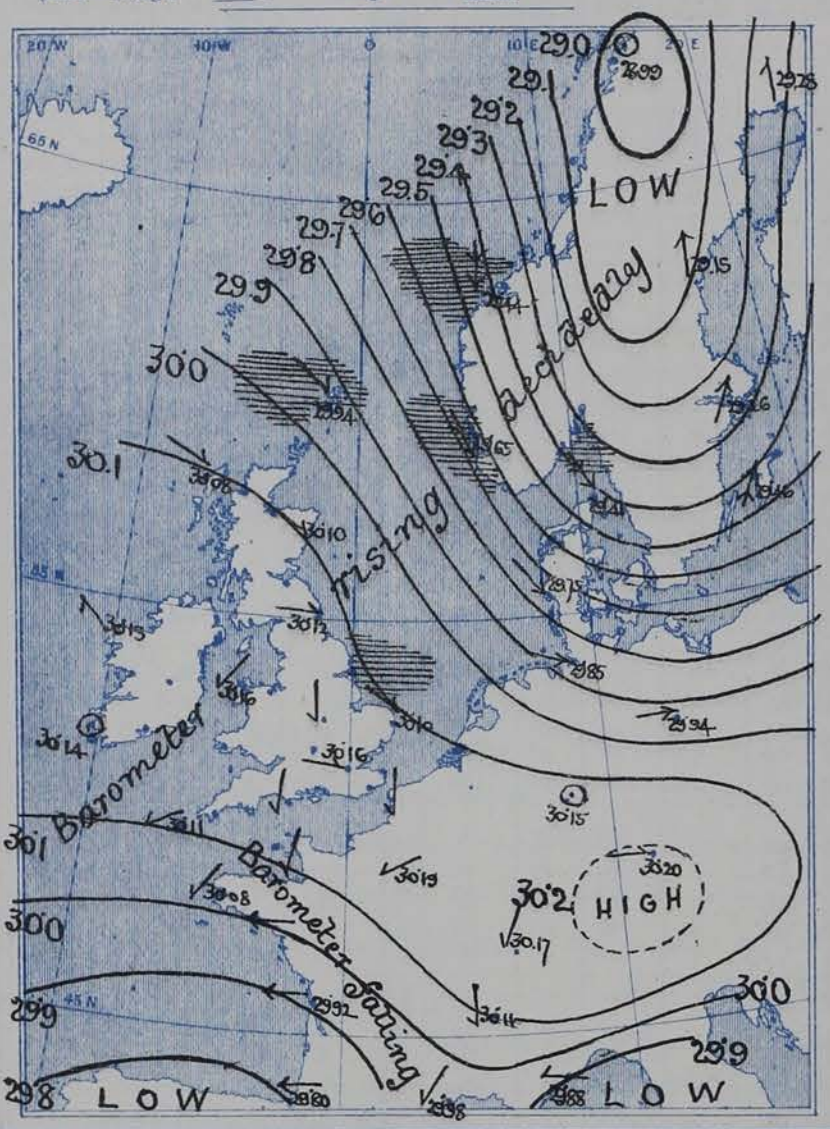
FOR Saturday, 14th October, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

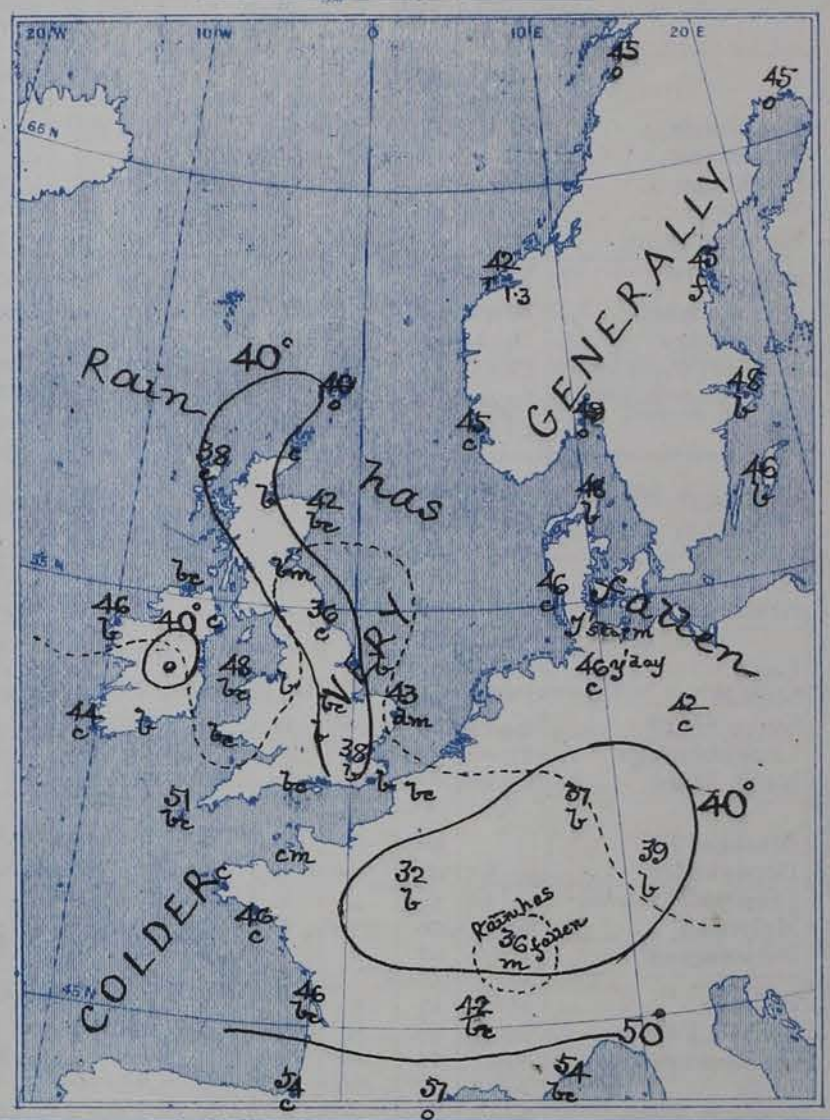
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins. and upwards, in an anticyclone covering the whole of our Islands, the northern and central parts of France and South Germany.
Lowest, 29·0 ins. and less, in a deep depression with its centre over the north of Scandinavia; 29·8 ins. and less, in a shallower disturbance over Spain.
Gradients steep over Scandinavia, Denmark and the Baltic, moderate or slight elsewhere.
Barometer falling in the west of France and the extreme southwest of our Islands, but rising elsewhere.

TEMPERATURE

Highest, 57° at Perpignan, 54° at Nice and Biarritz, 51° at Scilly, 50° at Jersey and 49° at Portland Bill.
Lowest, (1) 31° at Parsontown, and 38° at Leith and in London; (2) 32° at Paris, 36° at Belfast and 37° at Wiesbaden.
Ground frost occurred last night in many parts of Great Britain; at Loughborough the exposed thermometer fell to 29° and at Oxford to 27°.

WIND

Light to moderate from the NW.ly on our own northeast coasts, and strong to a gale from the same quarter on the eastern shores of the North Sea. Strong from S. and SW. in Sardegna, with a gale at Wisby.
E. & NE. over France and all the more southwestern parts of the United Kingdom, and fresh in force in the Bay of Biscay.

WEATHER

Fine over Western Europe as a whole, but dull in the Shetlands and the northern parts of Scandinavia, with rain at Christiansund.
Showers fell yesterday in the north and northwest of our Islands (with hail and sleet in the north of Scotland) and considerable amounts of rain in some parts of Scandinavia, Denmark and Germany. A thunderstorm occurred at Cuxhaven.

SEA

Rough off the Shetlands and west of Norway, and rather rough at Spurn Hd., but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep depression recently noticed in the north has travelled northwards across Scandinavia, and a large anticyclone has extended from the westward over the whole of our Islands and a considerable portion of France and Germany. A new depression is, however, spreading northwards from Spain, and freshening E. and NE. winds are therefore probable on our southern coasts.

FORECASTS

For the 24 hours ending at NOON on 15th Octr. 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	W. and NW. winds, light; fair generally.
2 ENGLAND N.E. 3 ENGLAND EAST	NW. to N. winds, light; fine generally.
4 MIDLAND COUNTIES 5 ENGLAND SOUTH	N. to NE. winds, light or moderate; fine generally, local fogs at night.
6 SCOTLAND WEST 7 ENGLAND N.W.	Light breezes, chiefly NE.; fair generally, but some mist or fog.
8 ENGLAND S.W.	E. and NE. winds, freshening; fair generally.
9 IRELAND NORTH 10 IRELAND SOUTH	Same as Nos. 6 and 7.
WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	28·86	50	47	SE	4	c	4
Sumburgh Head	29.42	43	39	NW	9	c	7
Stornoway... ...	29.82	43	40	NNW	5	o	5
Aberdeen	29.70	44	38	NW	9	bc gphr	6
Shields	29.78	51	43	NW	4	b	2
Malin Head ...	29.91	49	47	WNW	5	b	4
Blacksod Pt.. ...	30·04	54	47	NNW	3	bc	2
Holyhead	30·01	51	45	NW	5	c	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·12	54	48	W	1	bv	3
Scilly	30·09	54	47	N	3	b	3
Jersey	30·05	56	48	WNW	3	bc	3
Portland Bill ...	30·01	54	49	NNW	6	bc	4
Dungeness ...	29.90	52	48	N	4	c	3
London (Westminster)	29.92	55	47	NW	5	bcq	*
Yarmouth ...	29.79	50	45	NNW	5	b	4
Rochefort ...	30·06	59	55	N	2	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over England, the south of Ireland, and the north of France, as well as in Austria and Greece. Cloudy or dull in nearly all other parts of Europe, with passing showers in Scotland and the north of Ireland, and steady rain in many parts of Scandinavia, the south of France, northern Italy, and the Spanish Peninsula. Showers falling during day in the north and northwest of our Islands generally, and considerable quantities of rain in Scandinavia, Denmark and Germany; thunderstorm occurring at Cuxhaven.

Temperature fallen in our Islands and France, risen elsewhere. Morning readings highest 71° at Algiers, and 70° at Malta and Oran; above 60° at most of the Mediterranean, Adriatic, and Spanish coast stations. Lowest, (1) 33° at Archangel; (2) 33° at Hermanstadt and 37° at Budapesth; (3) 38° at Parsonstown. Daily maxima below 45° in the north of Scotland, and below 55° in many other parts of our Islands; exceeding 65° in the south of France and reaching 78° at Perpignan. Ground frost in our Islands at night.

Wind fresh to strong from the NW^ly over the greater part of the United Kingdom, with a gale in the north of Scotland; moderate to fresh from the W^ly or SW^ly over Denmark, Germany, and the Netherlands; S^ly over Sweden, Russia, and the Baltic; E^ly or NE^ly on the Norwegian coast. Light from the N^ly (NW to NE) over the south of France, but variable in all other parts of southern Europe. Wind over our Islands moderating later, but NW^ly gale springing up on the Norwegian coast.

Barometer, highest 30·2 ins. and upwards in an anticyclone over Central Russia; 30·0 ins. and upwards, in another system spreading northeastwards from the Atlantic. Lowest 29·0 ins. and less in a large and rather deep depression, with its centre over the extreme south of Norway. Atlantic high pressure system extending later over all the southwestern parts of our Islands; Norwegian depression becoming more complex but moving northwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 15th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.44	45	S	4	r	29.70	+ .42	38	37	− 7	NW	4	o	•	r	•	48	38	0.28
	Hernösand	29.60	40	NW	6	b	29.94	+ .29	37	32	− 8	NW	6	b	•	b	•	50	36	0.16
	Stockholm	29.71	45	W	8	o	30.01	+ .75	36	32	− 12	WNW	4	b	•	o	•	50	36	—
	Wisby	29.68	47	NW	4	bc	30.00	+ .54	41	37	− 5	NNW	8	b	•	bc	•	50	43	—
	Karlstad	29.88	41	WNW	6	b	30.10	+ .90	34	32	− 9	NW	2	b	•	b	•	•	•	—
	Bodö	29.69	41	N	4	o	29.95	+ .96	39	35	− 6	N	2	c	1	o	•	45	36	0.32
	Christiansund ...	29.90	39	NNW	3	r	30.02	+ .58	48	46	+ 6	NW	4	o	5	r	•	48	37	0.91
	Skudesnaes ...	30.09	44	SW	4	bc	30.28	+ .63	49	43	+ 4	NW	4	bc	8	c, bc	•	46	43	•
	Færder (X'iania Fjord)	29.95	45	NW	6	b	30.12	+ .82	49	44	0	WSW	5	o	3	b	•	50	45	—
	The Scaw (Skagen)	29.98	48	N	6	b	30.18	+ .77	48	46	0	NW	2	b	0	b	•	52	43	—
	Fanö	30.11	47	NW	5	bc	30.30	+ .55	42	40	− 4	NNW	1	b	•	bc	•	50	37	0.04
BRITISH ISLANDS.	Sumburgh Head ...	30.01	49	W	4	o	30.10	+ .16	49	44	+ 7	WSW	1	bc	4	bc, o	•	48	45	0.02
	Stornoway	30.08	48	WSW	3	o	30.03	− .05	46	45	+ 8	SW	4	o	4	c, o	3.0	50	35	—
	Wick	30.11	49	N	2	bc	30.11	+ .06	45	43	+ 3	W	2	bc	1	bc	•	55	37	—
	Nairn	30.14	41	Z	0	b	30.14	+ .03	38	36	− 1	Z	0	b	2	b	•	51	29	—
	Aberdeen	30.19	41	SSW	2	b	30.23	+ .13	41	37	− 1	SW	2	bc	2	b	8.2	50	34	—
	Leith	30.20	42	W	2	m	30.21	+ .05	40	37	+ 2	W	1	m	•	m	•	51	29	—
	Shields	30.22	44	Z	0	m	30.26	+ .14	41	39	+ 5	SSW	1	cm	2	c, m	•	48	34	—
	Spurn Head ...	30.21	44	NNE	2	c	30.23	+ .13	50	46	+ 9	SSE	4	c	5	c	•	50	40	—
	Loughborough ...	30.22	42	ESE	1	b	30.24	+ .07	34	32	− 6	WNW	1	c	•	b, bc, b, o	•	52	26	—
	Malin Head ...	30.14	44	SE	2	b	30.07	− .08	43	43	− 3	SE	3	bc	2	b	•	52	38	—
	Blacksod Pt. ...	30.13	46	SE	2	b	? 30.01	− .12	47	45	+ 1	SSE	4	bc	•	b	•	?52	45	—
	Donaghadee ...	30.19	47	NE	2	b	30.15	− .03	48	46	+ 4	SSE	4	cw	5	b	•	50	44	—
	Liverpool (Bidston)	30.21	44	ENE	1	b	30.20	+ .03	40	38	− 2	E	2	b	?	b	•	47	33	0.01
	Holyhead	30.16	46	ENE	2	b	30.16	.00	48	40	− 5	E	1	b	1	b	•	49	38	—
	Parsonstown ...	30.13	46	SE	1	b	30.04	− .15	45	43	+ 14	E	1	o	•	b	8.0	53	31	—
	Valencia	30.07	49	ESE	3	b	29.92	− .22	52	48	+ 8	E	3	cm	5	bc, r, b	6.3	54	43	—
	Roche's Point ...	30.11	47	ESE	2	b	29.97	− .20	54	50	+ 12	SSE	7	c	4	b	•	54	40	—
	Pembroke (St. Ann's Hd.)	30.10	50	ESE	2	b	30.05	− .09	47	44	− 1	E	5	b	5	b	6.6	54	45	—
	Scilly	30.03	54	ENE	5	c	29.88	− .23	54	51	+ 3	E	7	c	4	c	6.0	57	45	—
	Jersey (St. Aubin's) ...	30.25	54	E	5	b	29.99	− .16	49	44	− 1	E	7	cm	5	b	•	58	40	—
	Portland Bill ...	30.13	51	ESE	3	b	30.05	− .12	51	48	+ 2	ESE	7	c	5	b	•	55	45	—
	Dungeness	30.16	51	ENE	2	c	30.17	+ .03	50	48	+ 9	ESE	6	b	5	c	•	57	40	—
	London (Kew) ...	30.18	46	NE	1	o	30.20	+ .04	45	42	+ 7	E	4	b	•	c, b	0.5	51	37	—
	Oxford	30.22	40	E	2	b	30.19	+ .02	44	43	+ 5	NE	2	o	•	b	•	52	33	—
	Yarmouth	30.17	47	NNE	4	cw	30.23	+ .13	50	46	+ 7	SE	5	c	4	c	•	51	42	—
GERMANY.	Cuxhaven	30.04	47	NW	4	c	30.29	+ .44	46	43	0	N	2	b	•	c	•	52	45	0.04
	Berlin	30.05	44	W	5	b	30.26	+ .32	37	36	− 5	NW	3	b	•	b	•	48	36	—
	Wiesbaden	•	•	•	•	•	30.28	+ .13	42	40	+ 3	N	4	b	•	•	•	52	34	—
	Munich	30.19	38	Z	0	b	30.27	+ .07	32	32	− 7	SE	2	b	•	b	•	48	30	—
FRANCE & NETHERLANDS.	The Helder ...	30.18	48	N	2	b	30.29		49	46		ENE	1	b	0	b	•	52	46	—
	Brussels	•	•	•	•	•	30.25		41	39		ENE	4	b	•	b	•	56	35	—
	C. Gris Nez ...																•			
	Paris	30.13	46	ENE	2	b	30.07	− .12	39	37	+ 7	NE	3	bc	•	b	•	55	32	—
	Brest	29.95	52	E	4	c	−?	?	46	43	+ 2	E	4	c	3	c	•	57	43	—
	Lorient	29.93	54	ENE	6	o	29.82	− .24	46	46	0	E	6	r	4	o	•	59	46	—
	Rochefort	29.88	55	E	6	o	29.80	− .12	50	48	+ 4	ENE	4	o	•	bc, o	•	61	45	—
	Belfort	30.08	42	ENE	3	c	30.12	− .05	36	34	0	ENE	4	m	•	c	•	50	34	—
	Lyons	30.06	46	N	1	b	30.03	− .08	42	41	0	N	1	o	•	b	•	55	40	—
	Nice	29.97	61	ENE	2	c	30.05	+ .17	57	53	+ 3	E	1	r	2	c	•	66	54	—
	Perpignan	29.95	61	SE	1	o	29.88	− .10	60	59	+ 3	Z	0	o	•	o	•	64	57	—
	Biarritz	29.75	64	E	3	o	29.70	− .10	69	62	+ 15	S	5	o	2	o	•	69	54	0.08
SPAN. PEN.	Corunna																•			
	Lisbon	29.75	66	SW	5	r	29.83	+ .04	66	63	− 2	WSW	4	c	•	r	•	72	64	0.08
	Azores (P. Delgada)	29.81	68	SSW	4	c	29.59	− .36	66	62	0	W	5	o	0	c	•	70	63	0.12

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 8.2 hrs.

WEATHER CHARTS

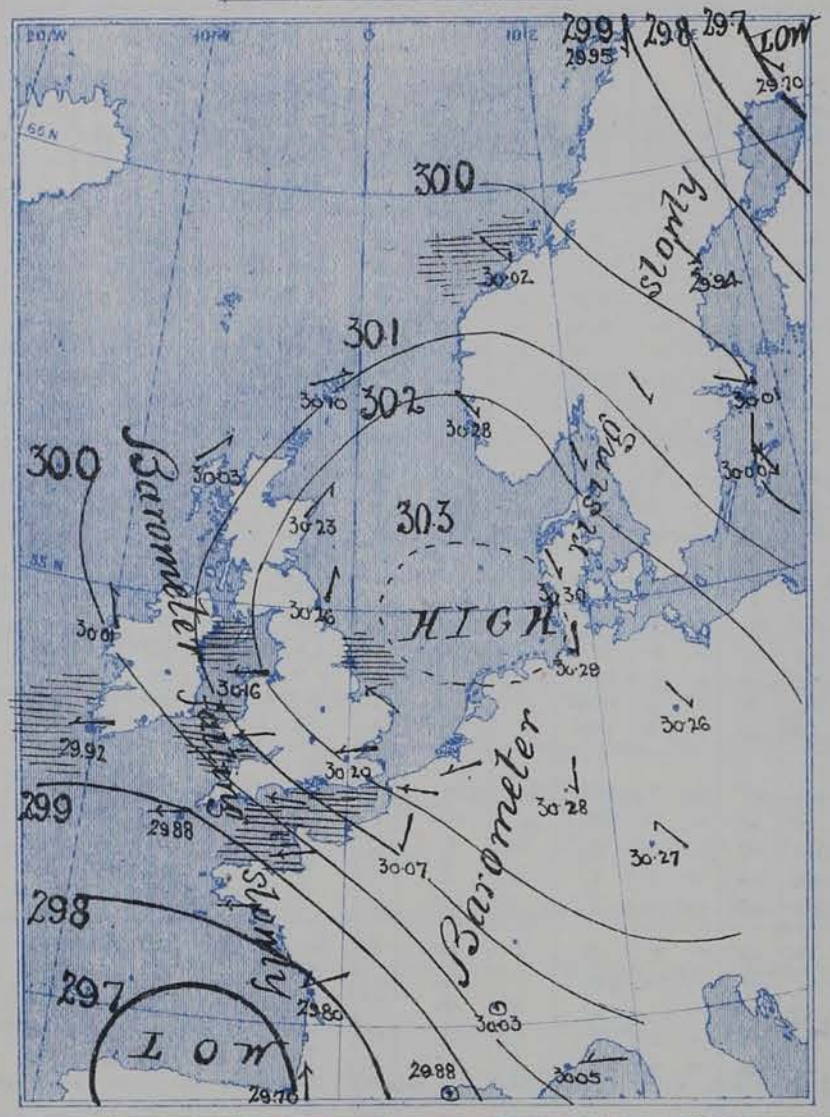
FOR *Sunday, 15th October,* 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

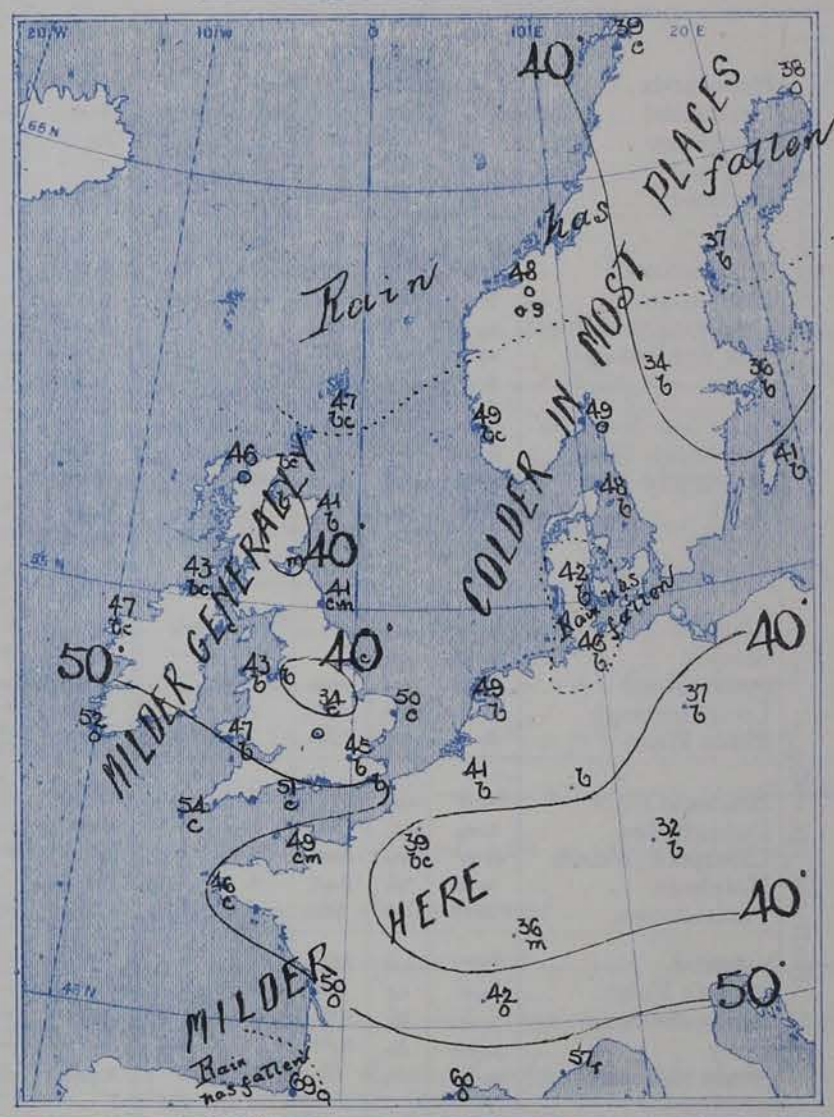
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·30 in: at Paris; 30·0 in: and upwards, in an anticyclone covering the greater part of Western Europe.
Lowest, 29·7 in: and less, in a depression over the north of Spain and the southern part of the Bay of Biscay
Gradients moderate over the southwest of our Islands and the west of France, but slight elsewhere.
Barometer falling over France and our own east and southeast coasts, rising elsewhere.

TEMPERATURE

Highest, 69° at Biarritz, 66° at Lisbon, 60° at Perpignan, and 57° at Nice; highest in our Islands 54° at Rocker Point and Scilly.
Lowest, (1) 32° at Munich, and 36° at Belfort; (2) 34° at Karlstad and 36° at Stockholm.
Frost occurred last night over the inland parts of Great Britain, the lowest temperatures reported being: In the screen 26° at Loughborough and 29° at Nairn; (2) On the grass 20° at Loughborough and 25° at Oxford.

WIND

E³ or SE³ over England, Ireland, France, and the Netherlands; strong in force over the English Channel and the southeast of Ireland.
Light from the SW^ly or W³ in Scotland; NW³ in Scandinavia, Denmark, and North Germany, with a gale at Stockholm.

WEATHER

Fair or fine over northwestern Europe as a whole, but dull in the Hebrides and at some places in the north of Scandinavia.
Dull in the west and south of France with rain at Lorient and Nice.
Slight rain fell yesterday in the west of France, and larger quantities over the northern parts of Scandinavia; a solar halo was seen at Jersey.

SEA

Rather rough on most parts of the English and Irish coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 16TH OCTOBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 9·30 am today to districts 5.8 & 10 "HOIST SOUTH CONE"

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.92	46	43	N	6	c	5
Sumburgh Head	30.02	46	42	W	3	bc	5
Stornoway... ...	30.08	50	45	W	3	c	3
Aberdeen	30.17	48	41	W	1	b	2
Shields	30.20	49	41	N	2	c	3
Malin Head ...	30.16	50	46	E	1	b	1
Blacksod Pt.. ...	30.14	51	44	SSE	3	b	2
Holyhead	30.18	49	44	ENE	2	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30.10	54	48	SSE	1	bcv	3
Scilly	30.07	55	48	ENE	4	c	2
Jersey	30.11	58	49	E	4	c	3
Portland Bill ...	30.16	53	51	ESE	2	b	2
Dungeness ...	30.16	54	51	ENE	2	c	1
London (Westminster)	30.16	52	46	E	0	c	*
Yarmouth ...	30.15	49	43	NNW	4	bc	4
Rochefort ...	29.92	61	54	ENE	6	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over Western Europe generally, as well as in Denmark and the south of Scandinavia, Austria and South Germany. Cloudy or dull elsewhere, with rain at Christiansund, Ulleaborg and Kuopio. A little rain falling later at some places in the west and south of France, and larger quantities over the northern parts of Scandinavia. Solar halo seen at Jersey.

Temperature fallen in most of the western and central countries, but risen elsewhere. Morning readings highest 73° at Oran and Algiers, 71° at Palermo, and 70° at Malta; above 65° at most of the Mediterranean and Spanish coast stations. Lowest (1) 31° at Thurso, and 36° at Shields; (2) 32° at Paris, and 36° at Rochefort; (3) 35° at Moscow. Daily maxima below 55° over a considerable portion of the United Kingdom and below 60° at many of the French stations, but thermometer reaching 66° at Nice. Frost occurring over the central parts of Great Britain at night; thermometer on grass at Loughborough falling to 20°.

Wind light to moderate from the NW^ly on our own north and east coast, and strong to a gale from the same quarter on the eastern shores of the North Sea; W^ly or SW^ly in Germany and S^ly over Sweden and Northern Russia, with a gale at Wisby and Hangö. SW^ly on the Portuguese coasts; fresh from the E^ly in the west of France; light from the NE^ly on our own southernmost coast. Freshening E^ly breezes setting in later over the English Channel; sound backing to the SW^ly and in Scotland.

Barometer highest 30.2 ins. and upwards in an anticyclone over Central Russia; 30.1 ins. and upwards in another system covering the whole of our Islands with the northern and central parts of France and South Germany. Lowest 29.0 ins. and less, in a well marked and rather deep depression over the north of Scandinavia; 29.8 ins. and less, in a shallow disturbance over Portugal and the north of Spain. Depression in north subsequently spreading slowly northwards over the Bay of Biscay.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.--The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 16th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Baron. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	30.17	30	NW	2	b	30.27	+.57	27	26	− 11	N	2	b	•	b	•	46	27	–
	Hernösand	30.26	33	L	0	b	30.31	+.37	34	32	− 3	L	0	bc	•	b	•	43	30	–
	Stockholm	30.34	37	NW	2	b	30.29	+.28	33	30	− 3	WNW	2	b	•	b	•	46	32	–
	Wisby	30.20	44	NNW	6	b	30.26	+.26	43	39	+ 2	N	6	b	•	b	•	45	37	–
	Karlstad	30.28	39	N	2	b	30.35	+.25	33	?	− 1	N	2	b	•	b	•	•	•	–
	Bodö	30.08	35	E	2	c	30.12	+.17	41	39	+ 2	E	4	c	2	c	•	43	34	0.16
	Christiansund ...	30.13	47	NW	2	bc	30.24	+.22	40	38	− 8	SE	2	b	4	bc	•	50	39	0.12
	Skudesnaes ...	30.34	49	S	2	0	30.33	+.05	47	44	− 2	SE	2	0	2	b.0	•	52	43	–
	Færder (X'iania Fjord)	30.26	31	WNW	1	b	30.32	+.20	47	45	− 3	N	1	b	1	b	•	52	45	–
	The Scaw (Skagen)	30.29	50	N	1	b	30.34	+.16	45	45	− 3	WNW	1	b	0	b	•	54	45	–
	Fanö	30.38	40	L	0	b	30.37	+.07	38	37	− 4	SE	1	b	•	b	•	54	37	–
BRITISH ISLANDS.	Sumburgh Head ...	30.07	47	S	3	c	30.02	−.08	50	47	+ 3	S	5	0	6	c	•	51	46	–
	Stornoway	29.96	49	SW	5	bc	29.82	−.21	45	43	− 1	SW	3	bc	3	0.bc	1.1	51	40	–
	Wick	30.05	49	S	4	c	29.90	−.21	50	47	+ 5	S	8	bc	5	c	•	52	43	–
	Nairn	30.06	45	NSW	1	b	29.92	−.22	37	35	− 1	L	0	b	0	b	•	54	32	–
	Aberdeen	30.15	48	SSE	5	ogq	30.03	−.20	50	45	+ 9	SSE	5	cq	6	c.ogq	6.8	50	41	–
	Leith	30.13	47	SE	3	b	29.99	−.22	48	44	+ 8	E	1	b	•	b	•	56	37	–
	Shields	30.16	49	SSE	4	c	30.01	−.25	49	47	+ 8	SSE	3	c	3	c	•	50	40	–
	Spurn Head ...	30.13	52	SSE	6	c	29.99	−.24	51	50	+ 1	SSE	6	bc	5	c	•	53	47	–
	Loughborough ...	30.12	46	ESE	2	b	?29.90	−.28	34	34	0	E	1	cmw	•	cbr.c.b	•	55	31	–
	Malin Head ...	29.94	47	SE	5	c	29.76	−.31	47	46	+ 4	SE	4	bc	2	b.c	•	54	43	–
	Blacksod P^t	29.92	52	W	6	c	29.66	−.35	49	48	+ 2	SSW	6	c	6	c	•	52	47	–
	Donaghadee ...	30.05	52	SSE	5	cq	29.86	−.29	51	48	+ 3	SSE	6	c	6	c.cq	•	52	48	–
	Liverpool (Bidston)	30.07	46	E	3	b	29.92	−.28	44	42	+ 4	E	3	bc	?	bm	•	50	41	–
	Holyhead	29.99	48	E	2	bm	29.83	−.33	49	47	+ 6	E	2	cm	1	bm	•	53	40	–
	Parsonstown ...	29.90	48	SE	1	b	29.71	−.33	51	49	+ 6	SE	2	oq	•	c.b	3.7	55	44	–
	Valencia	29.75	48	ESE	6	om	29.58	−.34	56	54	+ 4	E	6	oq	4	c.om	3.7	58	52	0.50
	Roche's Point ...	29.85	55	SE	7	c	29.67	−.30	56	55	+ 2	SE	6	m	4	c	•	56	53	–
	Pembroke (St. Ann's Hd.)	29.89	47	SE	6	bc	29.75	−.30	51	49	+ 4	SE	6	o	5	bc	8.2	52	?45	–
	Scilly	29.77	55	E	8	o	29.66	−.22	56	55	+ 2	SE	5	m	3	c.o	5.4	57	51	0.02
	Jersey (St. Aubin's) ...	29.86	56	E	6	ogm	29.80	−.19	56	53	+ 7	ESE	4	cm	3	c.ogm.p	•	57	47	0.01
	Portland Bill ...	29.91	53	ESE	8	o	29.83	−.22	55	49	+ 4	ESE	6	o	5	o	•	55	50	–
	Dungeness	30.04	51	ESE	6	b	29.96	−.21	50	48	0	ESE	4	b	4	b	•	54	46	–
	London (Brixton) ...	30.06	45	E	5	bq	29.96	−.24	43	42	− 2	E	3	b		bq	8.1	56	40	–
	Oxford	30.05	45	E	3	b	29.95	−.24	44	42	0	E	3	b	•	bm	•	53	38	–
	Yarmouth	30.15	52	ESE	7	c	30.02	−.21	50	47	0	ESE	6	b	6	c	•	52	47	–
GERMANY.	Cuxhaven	30.32	48	NE	1	b	30.32	+.03	41	39	− 5	SE	2	b	•	b	•	54	39	–
	Berlin	30.36	45	NW	1	b	30.35	+.09	39	38	+ 2	L	0	f	•	b	•	52	36	–
	Wiesbaden	•	•	•	•	•	30.20	−.08	42	39	0	NE	3	b	•	•	•	52	37	–
	Munich	30.22	38	SE	5	c	30.16	−.11	35	34	+ 5	E	5	c	•	c	•	48	32	–
FRANCE & NETHERLANDS.	The Helder ...	30.24	49	E	3	b	30.15	−.14	46	42	− 3	ESE	3	b	2	b	•	54	43	–
	Brussels	•	•	•	•	•	30.06	−.19	38	36	− 3	ENE	3	b	•	b	•	53	33	–
	C. Gris Nez ...	30.04	45	ESE	4	b	29.92		39	37		SE	4	bc	3	b	•	54	36	–
	Paris	29.98	53	ENE	2	0	29.93	−.14	47	44	+ 8	E	2	b	•	0	•	57	45	–
	Brest	29.76	51	SSW	5	0	29.70	−.07	57	56	+ 11	E	3	0	3	0	•	55	45	–
	Lorient	29.76	53	E	6	0	29.76	−.06	55	55	+ 9	SE	3	0	2	0	•	57	46	0.04
	Rochefort	29.76	62	E	2	bc	29.78	−.02	60	59	+ 10	SE	2	0	•	bc	•	72	50	–
	Belfort	30.05	45	E	4	0	30.03	−.09	37	35	+ 1	E	5	bc	•	0	•	46	36	–
	Lyons	30.01	47	NW	1	r	29.97	−.06	48	48	+ 6	NE	1	r	•	r	•	49	42	0.67
	Nice	30.01	57	ENE	4	0	29.95	−.10	55	55	− 2	E	4	f	3	0	•	63	54	0.47
	Perpignan	29.84	66	E	3	0	29.84	−.04	61	61	+ 1	NE	3	r	•	0	•	73	59	0.08
	Biarritz	29.70	73	L	0	b	29.75	+.05	68	61	− 1	L	0	b	0	b	•	?	64	–
SPAN. PEN.	Corunna																•			
	Lisbon														•		•			
	Azores (P. Delgada)	29.41	64	NW	4	0	29.93	+.36	63	59	− 3	WNW	3	0	5	0	•	70	61	–

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 3.6 hrs.

WEATHER CHARTS

FOR Monday, 16th October, 1899.

BAROMETER, WIND AND SEA.

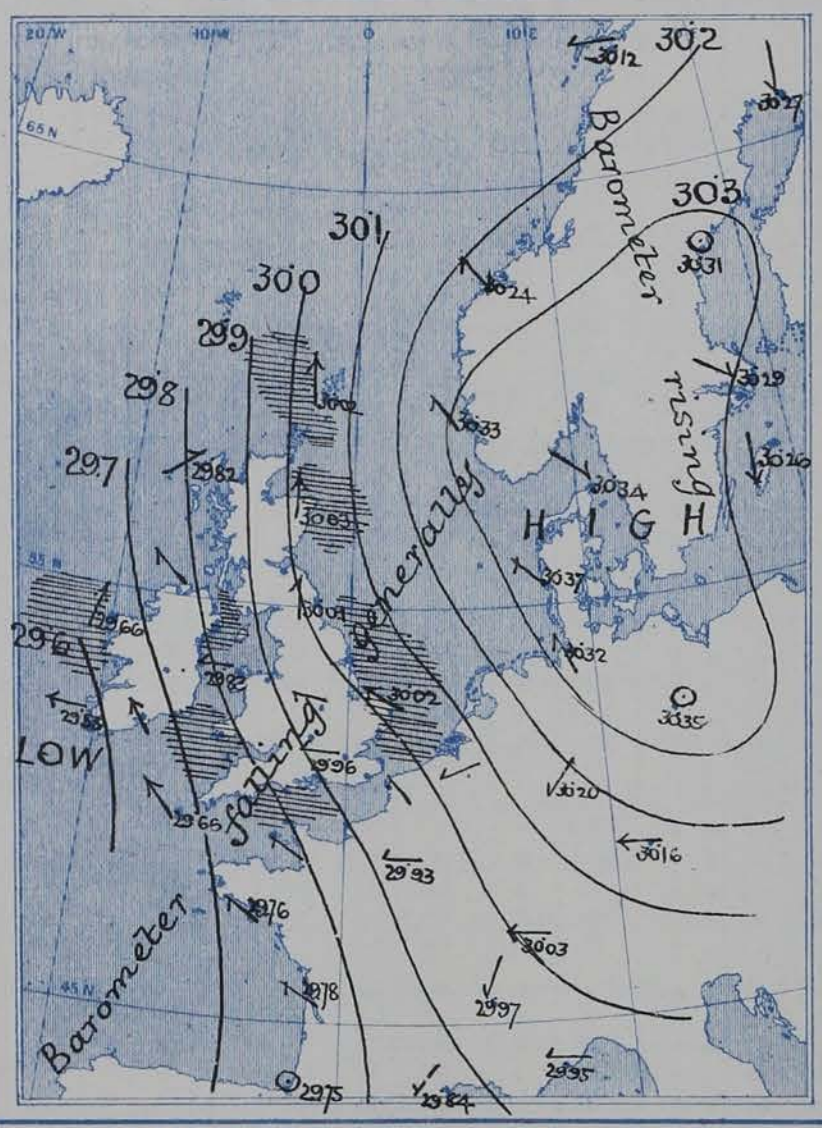
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

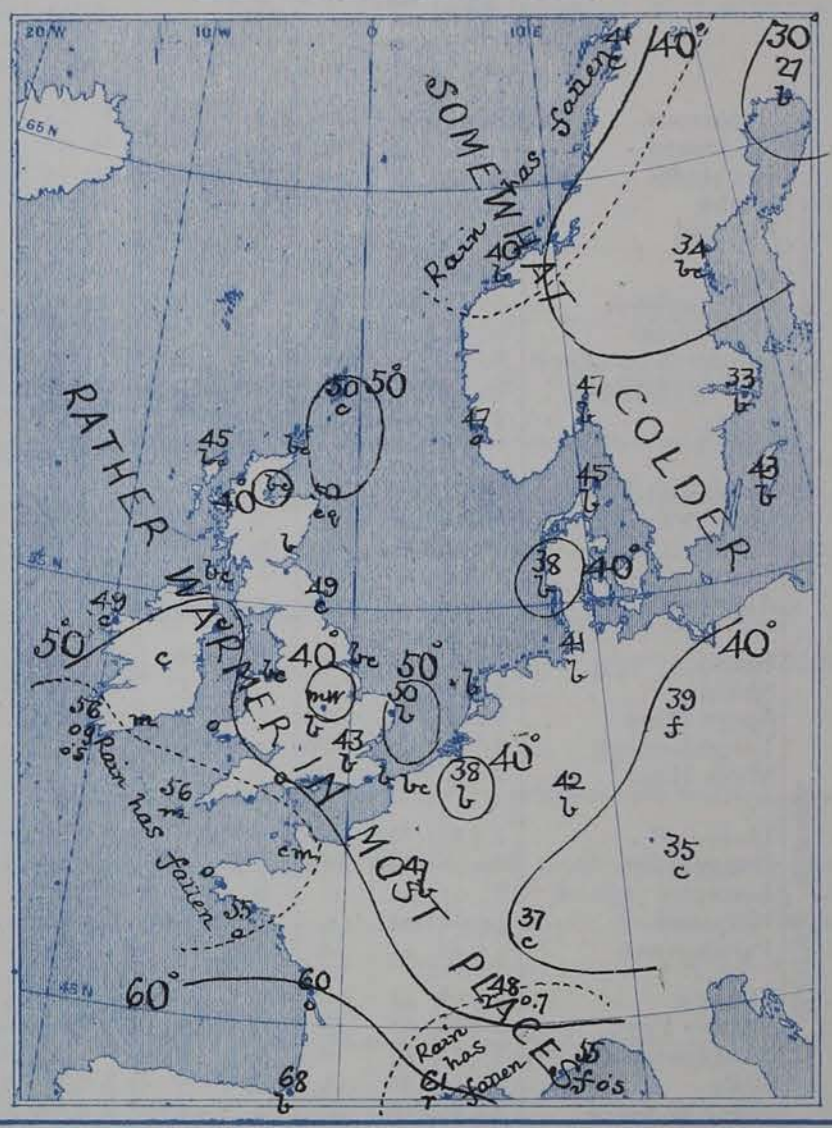


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and upwards in an anticyclone lying over Denmark, North Germany, and the more southern part of Scandinavia.
Lowest, 29·6 in: and less, in a depression lying off the southwest of Ireland.
Gradients moderate over our Islands and the North Sea, slight elsewhere.
Barometer falling over nearly the whole of the United Kingdom and the neighbouring parts of the Continent, most in the west.

TEMPERATURE

Highest, 68° at Biarritz, 61° at Perpignan, 68° at Rochefort, and 56° at Valencia (Ireland) Rockabill Point, Scilly, and Jersey.
Lowest, 27° at Haparanda, 33° at Stockholm and Karlstad, and 34° at Hernösand; (2) 34° at Loughborough and 37° at Nairn.
Frost occurred last night over Central England; at Loughborough the thermometer fell to 31° in the screen and to 23° on the grass.

WIND

E^ly or SE^ly over Western Europe as a whole, and strong in force on nearly all the coasts of the British Islands.
Variable in Denmark; light to fresh from the N^wd in Sweden.

WEATHER

Fair or fine over Western Europe generally, but dull in the southwest of our Islands and the west and south of France with mist in several places and with rain at Lyons and Perpignan.
Rain has fallen on some parts of our southwest coasts, rather heavily at Valencia, and also at several of the French and Norwegian stations.
A solar halo was seen yesterday at Jersey.

SEA

Rough or rather so on nearly all the more exposed parts of our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the southwest of Ireland appears to be spreading slowly eastwards and northwards. Strong winds are still probable on many parts of our coasts, with a gale in places, and with rain at some of our western and southern stations.

FORECASTS

For the 24 hours ending at NOON on 17th OCTOBER 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S^ly and SE^ly winds, strong, a gale in places; fair generally, but squally.
2 ENGLAND N.E. 3 ENGLAND EAST	SE^ly winds, strong; fair generally, but squally.
4 MIDLAND COUNTIES 5 ENGLAND SOUTH	E^ly and SE^ly winds, fresh; fair at first; cloudy later, possibly some rain.
6 SCOTLAND WEST 7 ENGLAND N.W.	E^ly and SE^ly winds, increasing in force; fair at first, cloudy later, with some rain.
8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	SE^ly and S^ly winds, strong, a gale in places; cloudy, some rain.
WARNINGS	At 10·30 am today to districts 0 and 6 "Hoist South Cone". The signals are now flying on all coasts.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·33	51	48	W	4	b	2
Sumburgh Head							
Stornoway... ...	29·99	50	46	SSW	5	o	5
Aberdeen							
Shields							
Malin Head ...	29·97	51	48	SE	5	bc	2
Blacksod Pt. ...	29·92	52	49	SSE	6	c	6
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29·92	53	47	E	6	c	5
Portland Bill ...							
Dungeness ...	30·07	53	50	E	6	b	5
London (Westminster)							*
Yarmouth ...							*
Rochefort ...	29·80	70	65	ESE	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 8TH TO THE 14TH OCTOBER 1899.

Shortly after the commencement of the week the anticyclone which had previously advanced over western Europe began to move slowly but steadily southeastwards across the Continent, while a large depression travelled in a northeasterly direction across the northern parts of Scandinavia. The latter disturbance occasioned SW to W gales and heavy rain in several parts of northern Europe, and showers even on our own extreme north and northwest coasts, but in other regions the weather was mostly fair with frosty foggy nights over the inland parts of England.

On the 11th however, a decided change took place in all the western countries. In our Islands the conditions were affected by a large cyclonic system the centre of which appeared off the north of Scotland, the wind backing first of all to the SW, and afterwards veering to NW. and increasing greatly in force, especially in the north of Scotland, where a strong gale prevailed between the 12th and 13th. Rain fell in all districts, the amount being slight in the East and south, but large at some of our western and northern stations. Over the west and south of France and some parts of northern Italy the weather was influenced by a shallow depression which appeared over the Bay of Biscay on the morning of the 11th and which afterwards moved northeastwards, its progress being attended by thunderstorms and exceedingly heavy falls of rain, the amount measured on the morning of the 12th being over 2 in: in many places, more than 3 in: at Marseilles, and as much as 5·1 in: at Cape Camarat.

Towards the close of the week the cyclonic system in the north moved away northwards across Scandinavia, and a large anticyclone again spread over Western Europe, the conditions being very similar to those observed at the commencement of the period.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 17th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	30·31	31	2	0	b	30·38	+ ·11	34	34	+ 7	SW	2	0	•	b	•	37	23	—
	Hernösand	30·35	30	2	0	f	30·42	+ ·11	30	29	— 4	2	0	f	•	f	•	46	25	—
	Stockholm	30·28	37	NW	2	b	30·36	+ ·07	36	35	+ 3	NNW	2	b	•	b	•	46	30	—
	Wisby	30·23	44	N	6	b	30·30	+ ·04	44	42	+ 1	NE	4	0	•	b	•	46	39	—
	Karlstad	30·32	39	2	0	f	30·42	+ ·07	33	32	0	N	2	b	•	f	•	•	•	—
	Bodö	30·24	45	E	4	be	30·26	+ ·14	43	39	+ 2	E	4	be	1	be	•	48	39	—
	Christiansund ...	30·17	44	SE	2	b	30·24	·00	45	40	+ 5	SE	2	b	4	b	•	48	39	—
	Skudesnaes ...	30·28	49	SSE	4	b	30·28	— ·05	48	43	+ 1	SE	4	b	4	b	•	52	43	•
	Færder (X'iania Fjord)	30·31	49	WSW	1	b	30·40	+ ·08	42	42	— 5	N	2	m	1	b	•	50	41	—
	The Scaw (Skagen)	30·34	46	N	1	f	30·38	+ ·04	46	46	+ 1	ESE	1	f	0	f	•	54	39	—
	Fanö	30·34	43	ENE	1	b	30·37	·00	44	41	+ 3	E	3	f	•	b	•	57	37	—
BRITISH ISLANDS	Sumburgh Head ...	29·90	50	SSE	5	o	29·92	— ·10	52	51	+ 2	SSE	2	o	6	c,o	•	52	48	—
	Stornoway	29·68	54	S	3	o	29·74	— ·08	56	54	+ 11	SSW	5	o	5	c,o	4·0	56	42	—
	Wick	29·80	52	S	8	be	29·93	+ ·03	53	52	+ 3	S	4	o	6	be	•	55	48	—
	Nairn	29·80	55	SW	3	c	29·87	— ·05	55	52	+ 18	W	1	cm	1	c	•	58	36	—
	Aberdeen	29·94	55	SSE	5	cq	29·99	— ·04	52	50	+ 2	S	4	ogq	5	cq	5·1	53	49	—
	Leith	29·86	51	E	3	c	29·97	— ·02	54	51	+ 6	2	0	om	•	c	•	58	46	—
	Shields	29·93	50	SE	3	c	30·02	+ ·01	51	49	+ 2	SSW	2	om	3	b,c	•	55	44	—
	Spurn Head ...	29·93	52	ESE	5	b	30·08	+ ·09	52	51	+ 1	SE	3	b	3	b	•	53	49	—
	Loughborough ...	29·93	50	E	1	b	30·06	+ ·10	48	47	+ 14	ESE	1	bcmw	•	c,bc,b,o	•	61	34	—
	Malin Head ...	29·67	52	SE	4	o	29·78	+ ·02	58	57	+ 11	SE	4	og	2	o	•	58	47	0·01
	Blacksod Pt.	29·61	55	SSE	5	c	? 29·79	+ ·13	57	56	+ 8	WSW	5	o	5	c	•	61	?46	0·02
	Donaghadee ...	29·78	54	SE	5	og	29·91	+ ·05	56	55	+ 5	SE	4	o	3	og	•	56	50	0·03
	Liverpool (Bidston) ...	29·86	52	E	3	b	30·01	+ ·09	51	49	+ 7	E	3	c	?	bm	•	55	44	—
	Holyhead	29·78	57	2	0	omgp	29·94	+ ·11	58	56	+ 9	S	2	cm	1	gmp	•	60	47	0·01
	Parsonstown ...	29·68	56	SE	2	r	29·84	+ ·13	59	57	+ 8	SE	1	o	•	oq,r	0·0	59	51	—
	Valencia	29·57	60	SE	5	og	29·82	+ ·24	58	58	+ 2	SSE	3	omd	4	og	0·0	61	50	0·14
	Roche's Point ...	29·66	56	SSE	6	f	29·88	+ ·21	57	56	+ 1	S	4	f	4	m,fr	•	57	54	0·15
	Pembroke (St. Ann's Hd.)	29·79	52	SE	6	r	29·93	+ ·18	56	55	+ 5	ESE	4	om	4	or	0·0	56	48	0·02
	Scilly	29·70	57	SE	3	fr	29·87	+ ·21	55	55	— 1	SE	4	f	2	fw	0·0	59	55	0·01
	Jersey (St. Aubin's) ...	29·80	60	NE	1	bm	29·95	+ ·15	60	57	+ 4	NE	2	bmw	2	o,bm	•	62	55	—
	Portland Bill ...	29·83	54	ESE	5	c	29·97	+ ·14	57	56	+ 2	E	4	b	3	o,c	•	57	54	—
	Dungeness	29·90	57	ESE	2	b	30·04	+ ·08	54	52	+ 4	ESE	3	b	3	b	•	57	49	—
	London (Brixton) ...	29·92	51	ESE	1	om	30·04	+ ·08	46	45	+ 3	E	1	bm	•	bm,om,b	5·5	59	43	—
	Oxford	29·92	51	ESE	1	o	30·05	+ ·10	44	43	0	NE	1	bf	•	o	•	59	41	—
	Yarmouth	29·97	53	SE	5	b	30·10	+ ·08	53	51	+ 3	ESE	4	bw	4	b	•	55	48	—
GERMANY	Cuxhaven	30·25	50	E	3	b	30·30	— ·02	40	40	— 1	E	3	f	•	b	•	50	37	—
	Berlin	30·30	47	2	0	b	30·32	— ·03	39	39	0	2	0	f	•	b	•	50	37	—
	Wiesbaden	•	•	•	•	•	30·21	+ ·01	38	37	— 4	E	1	b	•	•	•	55	34	—
	Munich	30·12	41	SE	5	b	30·17	+ ·01	35	34	0	SE	4	b	•	b	•	50	30	—
FRANCE & NETHERLANDS	The Helder ...	30·08	50	ESE	2	b	30·17	+ ·02	46	43	0	ESE	1	b	1	b	•	55	45	—
	Brussels	•	•	•	•	•	30·13	+ ·07	39	37	+ 1	ESE	1	b	•	b	•	60	34	—
	C. Gris Nez ...	29·90	54	SE	2	bc	30·01	+ ·09	41	39	+ 2	SE	2	m	2	bc	•	57	37	—
	Paris	29·93	54	ENE	1	b	30·01	+ ·08	43	42	— 4	NNE	2	b	•	b	•	65	42	—
	Brest	29·75	59	SE	1	b	29·87	+ ·17	59	59	+ 2	ENE	2	bc	1	m	•	61	52	—
	Lorient	29·78	61	2	0	m	29·86	+ ·10	58	57	+ 3	E	2	c	2	m	•	66	55	—
	Rochefort	29·76	66	E	1	c	29·88	+ ·10	58	57	— 2	SE	2	bc	•	bc,c	•	75	55	—
	Belfort	29·98	46	ENE	2	c	30·06	+ ·03	40	39	+ 3	NE	3	m	•	c	•	53	37	—
	Lyons	29·94	53	SSW	1	o	30·01	+ ·04	52	52	+ 4	E	1	f	•	o	•	55	48	0·04
	Nice	29·93	58	2	0	r	29·95	·00	57	54	+ 2	2	0	c	3	r	•	61	55	0·20
	Perpignan	29·88	62	NE	2	o	29·90	+ ·06	63	63	+ 2	E	2	o	•	o	•	66	60	0·24
	Biarritz	29·73	72	E	3	o	29·76	+ ·01	?	60	?	E	?	?	1	o	•	73	61	—
SPAN. PEN.	Corunna																•			
	Lisbon														•		•			
	Azores (P. Delgada)	29·97	66	SSW	4	c	29·87	— ·06	67	65	+ 4	S	4	o	5	c	•	70	64	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 6·2 hrs.

WEATHER CHARTS

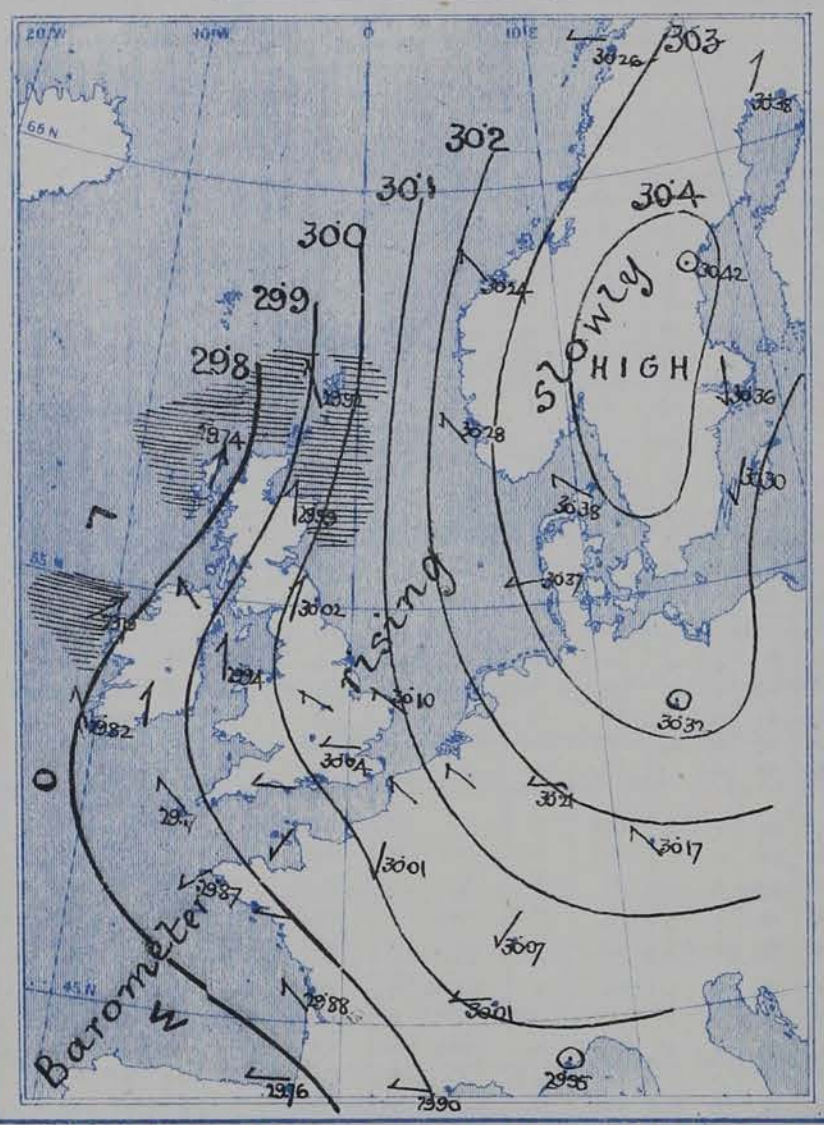
FOR Tuesday, 17th October, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

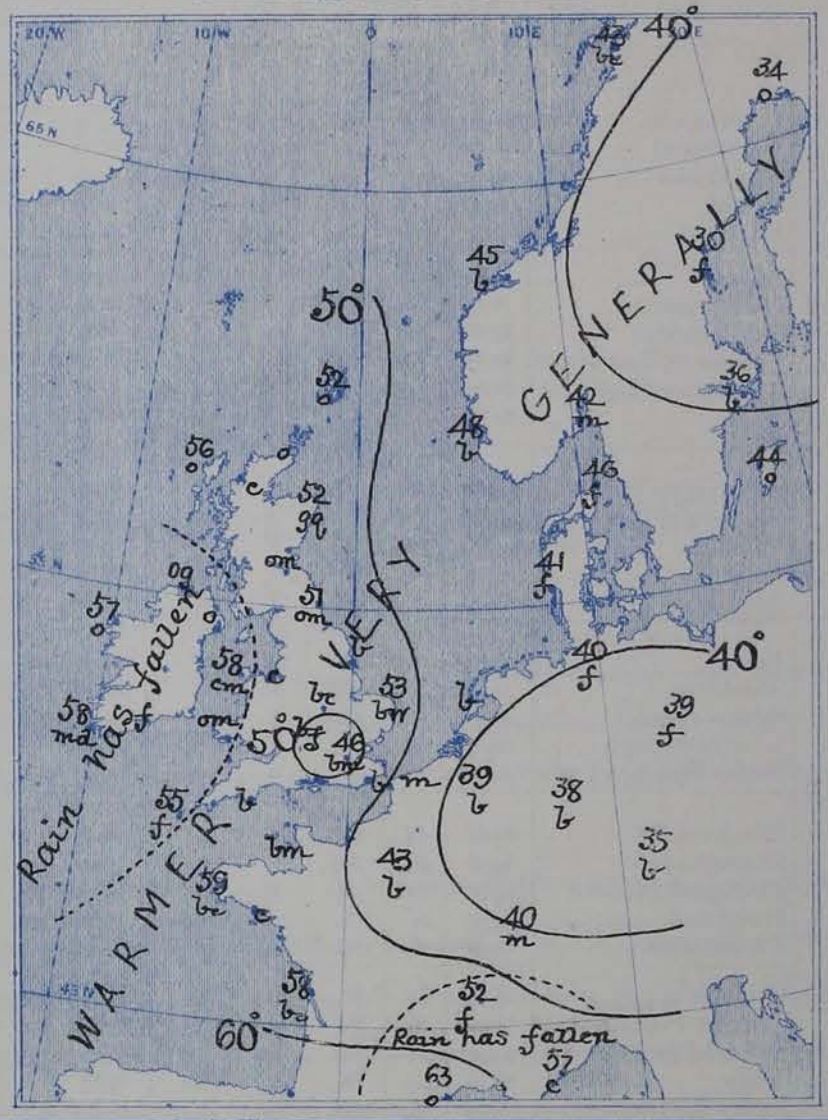
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards over the S.rn parts of Sweden; 30.1 ins. and upwards in an anticyclone covering the whole of Scandinavia, Denmark, Germany and the Netherlands and the greater part of the North Sea.
Lowest 29.8 ins. and less in a large depression lying to the W.wd and NW.wd of our Islands.
Gradients slight generally, but moderate over the N.rn parts of our Islands & the North Sea.
Barometer rising generally.

TEMPERATURE

Highest 63° at Perpignan, 60° at Jersey, 59° at Parsonstown and Brest, and 58° at Malin H., Holyhead, Valencia (Ireland), Lorient and Rochefort.
Lowest 30° at Hemisand, 33° at Karlstad, 34° at Haparanda, and 35° at Munich; lowest in our Islands 46° at Oxford.
During yesterday the thermometer rose to 60° or slightly above it at several of the English and Irish stations.

WIND

Light to moderate from the E.wd or SE.wd over western Europe as a whole, but S.ly in the north of Scotland.
Variable over the Gulf of Bothnia; N.ly in the south of Sweden.

WEATHER

Fine over England and the W.rn parts of the Continent generally, but with fog in places, and especially over Denmark and N. Germany.
Cloudy or dull in the W. and N. of our Islands, with fog at Roche's P.t and Scilly.
A little rain fell yesterday in the W.rn parts of the United Kingdom generally and also in the S. of France.

SEA

Rough or rather so on our extreme N. and NW. coasts, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday off the SW. of Ireland appears to have moved away again in a NW.ly direction over the Atlantic. There are at present no signs of any important change in the weather.

FORECASTS

For the 24 hours ending at NOON on 18TH OCTOBER 1899.

DISTRICTS.	FORECASTS.
6 SCOTLAND NORTH	S.ly winds, strong; dull, some rain.
1 SCOTLAND EAST	S.ly winds, moderate or fresh; cloudy, rain locally.
2 ENGLAND N.E.	Same as No. 5.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	E.ly and SE.ly winds, light or moderate; fine generally, local fogs at night.

DISTRICTS.	FORECASTS.
6 SCOTLAND WEST	Same as No. 1.
7 ENGLAND N.W.	E.ly and SE.ly winds, moderate; fair generally, but some fog or mist.
8 ENGLAND S.W.	
9 IRELAND NORTH	S.ly and SE.ly winds, freshening; dull, some rain.
10 IRELAND SOUTH	
WARNINGS	At 7.30 pm yesterday to districts 5 and 8. and at 10.30 am today to districts 1 to 3, 7 and 9 Lower Cone.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·32	51	48	SSE	4	b	3
Sumburgh Head	29·96	51	48	SSE	5	c	6
Stornoway... ...	29·73	54	48	S	3	o	3
Aberdeen	29·95	51	47	SSE	6	cq	6
Shields	29·95	53	50	S	4	b	3
Malin Head ...	29·68	52	51	SE	5	o	2
Blacksod Pt.. ...	29·61	54	52	SE	5	c	5
Holyhead	29·78	58	54	SW	1	omp	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29·56	60	58	NNE	5	og	5
Scilly	29·66	58	57	SE	4	f	1
Jersey	29·82	59	56	ESE	3	o	3
Portland Bill ...	29·83	56	54	ESE	6	o	4
Dungeness ...	29·91	57	56	ESE	3	b	3
London (Westminster)	29·91	56	51	E	3	b	*
Yarmouth ...	29·97	53	49	SE	5	b	5
Rochefort ...	29·78	72	69	E	2	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fair or fine over the greater part of W^rn, N^rn and central Europe, but dull and misty on our own SW. coasts, and foggy at many of the German stations. Dull over S^rn Europe generally, with rain over the S. of France, N^rn Italy and the adjacent parts of Austria. A little rain falling later in the W. of our Islands, no important change occurring elsewhere.

Temperature rises over our Islands and France, falls in most other countries. Morning readings highest 76° at Algiers, 73° at La Calle, and 72° at Malta; above 65° at the Mediterranean and Spanish coast stations generally. Lowest (1) 27° at Haparanda, 29° at Ulleaborg, and 32° at Kuopio; (2) 31° at Prague, and 33° at Breslau (3) 34° at Loughborough, and 37° at Nairn. Rising during day to 60° or slightly above it at several of the English and Irish stations; exceeding 65° in the W. and S. of France, and reaching 73° at Biarritz.

Wind SE^ly or E^ly over western and southern Europe generally, and strong in force on nearly all parts of our own coasts. N^ly or NW^ly over Sweden and N^rn Russia, with a gale at Kuopio and Helingfors; W^ly or SW^ly over the south of Russia; calm in Austria. Wind moderating later over our Islands generally, but direction remaining unchanged.

Barometer highest 30.3 ins. and upwards in an anticyclone lying over Denmark, Germany and the S^rn parts of Scandinavia. Lowest 29.6 ins. and less in a depression off the SW. of Ireland, 29.8 ins and less in another disturbance over W^rn Russia. No important change occurring over W^rn Europe during day, but Irish depression beginning to move away again over the Atlantic in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France, at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 18th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	30.49	32	SW	2	f	30.46	+.08	37	37	+3	SSW	2	f	•	f	•	37	27	-
	Hernösand	30.49	31	W	0	b	30.48	+.06	30	28	0	W	0	f	•	b	•	50	25	-
	Stockholm	30.47	37	N	2	f	30.52	+.16	38	37	+2	WNW	2	o	•	o	•	48	32	-
	Wisby	30.41	43	NE	4	o	30.49	+.19	46	45	+2	NE	4	o	•	o	•	46	36	-
	Karlstad	30.49	37	NW	2	b	30.53	+.11	31	30	-2	NW	2	f	•	b	•	•	•	-
	Bodö	30.30	46	E	2	b	30.24	-.02	42	40	-1	E	2	b	1	b	•	48	39	-
	Christiansund ...	30.31	47	ESE	1	b	30.30	+.06	49	41	+4	ESE	1	bc	3	b	•	57	41	-
	Skudesnaes ...	30.41	51	S	4	b	30.49	+.21	51	48	+3	SSE	6	bc	4	b	•	55	46	•
	Færder (X'iania Fjord)	30.47	43	W	0	m	30.52	+.12	41	41	-1	NSW	2	f	1	m	•	45	39	-
	The Scaw (Skagen)	30.48	46	E	1	b	30.54	+.16	46	46	0	W	0	m	0	b	•	54	39	-
	Fanö	30.47	41	E	2	f	30.51	+.14	36	36	-5	E	2	f	•	f	•	54	36	-
BRITISH ISLANDS	Sumburgh Head ...	30.02	52	SSE	6	o	30.12	+.20	52	52	0	SSE	3	o	5	o	•	53	48	-
	Stornoway	29.90	58	SW	4	o	30.06	+.32	58	57	+2	SW	5	o	5	o	0.0	58	53	-
	Wick	30.02	53	S	5	o	30.14	+.21	56	54	+3	S	2	bc	3	o	•	56	52	-
	Nairn	30.00	60	W	0	c	30.14	+.27	59	57	+4	W	0	m	0	c	•	61	53	-
	Aberdeen	30.11	53	S	3	c	30.24	+.25	53	51	+1	SW	2	cmw	3	o.c	0.4	56	49	-
	Leith	30.06	55	W	0	c	30.24	+.27	53	52	-1	SE	1	m	•	c	•	63	45	-
	Shields	30.15	52	SE	3	cm	30.28	+.26	43	43	-8	SSW	3	f	3	bm.cm	•	58	41	-
	Spurn Head ...	30.15	52	ESE	4	b	30.29	+.21	50	49	-2	SSE	3	b	2	b.bw	•	57	45	-
	Loughborough ...	30.15	51	E	1	b	30.35	+.29	36	36	-12	SE	1	fw	•	bc.bm.f	•	67	31	-
	Malin Head ...	29.91	60	S	4	bc	30.10	+.32	59	58	+1	S	5	o	3	b.bc	•	64	58	-
	Blacksod Pt. ...	29.89	57	SW	5	c	30.05	+.26	58	56	+1	SW	3	bc	3	c	•	61	57	-
	Donaghadee ...	30.03	58	SSW	3	og	30.22	+.31	56	55	0	SSE	3	bc	3	og	•	59	50	-
	Liverpool (Bidston)	30.10	58	ESE	3	b	30.28	+.27	47	44	-4	ESE	3	b	?	bm	•	62	43	-
	Holyhead	30.07	61	W	0	cm	30.23	+.29	56	55	-2	W	0	cm	0	om.cm	•	64	53	-
	Parsonstown ...	30.01	60	S	1	c	30.17	+.33	58	56	-1	SE	1	c	•	o.c	0.6	63	55	0.01
	Valencia	29.96	58	SSE	3	ogm	30.14	+.32	61	59	+3	SE	2	c	3	gma.gm	0.0	61	55	0.02
	Roche's Point ...	30.02	56	S	3	fd	30.17	+.29	57	56	0	SE	4	of	4	f.fd	•	57	54	0.10
	Pembroke (St. Ann's Hd.)	30.04	59	SE	3	o	30.21	+.28	55	53	-1	SE	5	m	4	o	?	59	52	-
	Scilly	29.99	58	ESE	3	o	30.14	+.27	58	57	+3	ESE	5	bcw	3	m.o	5.6	62	55	-
	Jersey (St. Aubin's) ...	30.04	61	ENE	3	b	30.24	+.29	55	52	-5	ENE	3	bm	3	b.bw	•	71	53	-
	Portland Bill ...	30.08	56	ESE	5	b	30.24	+.27	54	52	-3	E	4	bm	3	b	•	60	50	-
	Dungeness	30.11	56	E	4	b	30.32	+.28	55	53	+1	E	3	b	3	b	•	58	52	-
	London (Brixton) ...	30.16	51	E	1	b	30.33	+.29	41	41	-5	E	1	f	•	br.fw	5.2	64	40	-
	Oxford	30.18	49	E	2	b	30.34	+.29	34	34	-10	N	1	f	•	b	•	65	33	-
	Yarmouth	30.16	54	ESE	3	b	30.34	+.24	54	52	+1	ESE	3	bw	4	b	•	56	51	-
GERMANY	Cuxhaven	30.41	48	E	1	b	30.50	+.20	41	41	+1	E	1	f	•	b	•	48	39	-
	Berlin	30.39	43	NW	1	b	30.45	+.13	44	42	+5	NW	1	f	•	b	•	48	37	-
	Wiesbaden	•	•	•	•	•	30.41	+.20	44	42	+6	NE	5	b	•	•	•	57	37	-
	Munich	30.28	40	SE	3	b	30.34	+.17	32	32	-3	E	3	b	•	b	•	52	28	-
FRANCE & NETHERLANDS	The Helder ...	30.26	52	ESE	2	b	30.40	+.23	45	44	-1	ESE	1	b	0	b	•	57	45	-
	Brussels	•	•	•	•	•	30.38	+.25	42	40	+3	ESE	2	b	•	b	•	61	36	-
	C. Gris Nez ...	30.11	51	ESE	2	m	30.28	+.27	45	41	+4	ESE	1	b	1	m	•	59	39	-
	Paris	30.11	55	ENE	2	b	30.26	+.25	38	37	-5	NNE	2	b	•	b	•	65	37	-
	Brest	29.97	64	N	1	b	30.14	+.27	55	?	-4	E	1	b	1	b	•	73	52	-
	Lorient	29.99	66	E	2	b	30.14	+.28	55	54	-3	E	3	bc	5	b	•	72	46	-
	Rochefort	29.97	67	E	1	b	30.04	+.16	55	53	-3	ENE	4	b	•	b	•	77	54	-
	Belfort	30.14	41	ENE	3	m	30.17	+.11	40	37	0	E	5	bc	•	m	•	52	38	-
	Lyons	30.04	58	N	1	o	30.15	+.14	47	45	-5	NW	1	f	•	o	•	63	47	0.12
	Nice	29.99	60	SW	1	c	30.03	+.08	54	53	-3	W	0	f	3	c	•	68	52	-
	Perpignan	29.98	62	E	2	r	30.02	+.12	60	59	-3	SW	1	o	•	r	•	66	53	0.32
	Biarritz	29.86	66	E	3	b	29.96	+.20	59	58	?	E	2	f	0	b	•	73	57	-
SPAN. PEN.	Corunna																•			
	Lisbon														•		•			
	Azores (P. Delgada)																•			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.7 *hrs.*

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FOR Wednesday, 18th October, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
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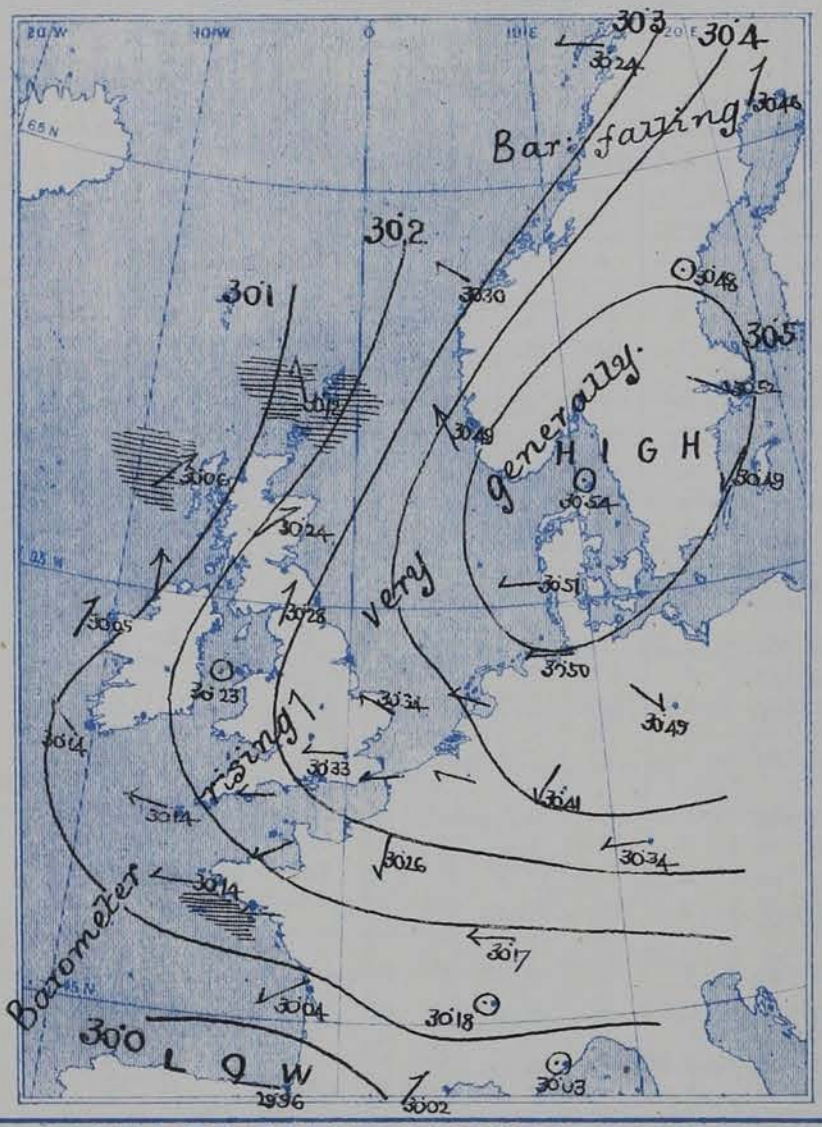
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

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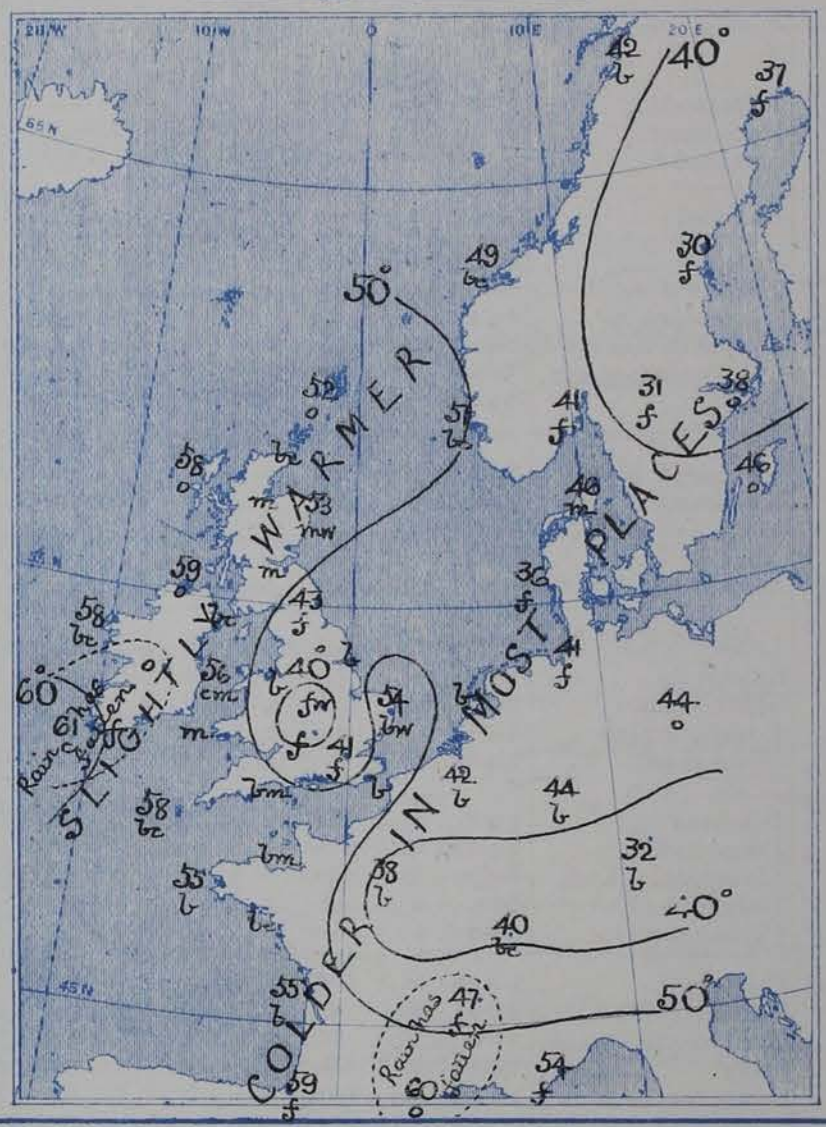

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 ins. and upwards over Denmark and the southern parts of Sweden; 30·1 ins. and upwards in an anticyclone covering nearly the whole of Western Europe.
Lowest, 30·0 ins. and less, in a shallow depression over Spain and the southwest of France.
Gradients slight. Barometer rising generally, but falling in the northern parts of Scandinavia.

TEMPERATURE

Highest, (1) 60° at Perpignan and 59° at Biarritz; (2) 61° at Valencia (Ireland), and 59° at Nairn and Malin Head.
Lowest, (1) 30° at Haparanda and 31° at Karlstad; (2) 32° at Munich; (3) 34° at Oxford and 36° at Loughborough.
During yesterday the thermometer rose to between 60° and 65° in many parts of the United Kingdom, to 67° at Loughborough and to 71° at Jersey.

WIND

Light to moderate from the E^ly over Denmark, Germany, the Netherlands, the extreme south of England and the greater part of France.
Moderate to fresh from the SE^ly on our western coasts, and from the S^ly or SW^ly in the north of Scotland; SE^ly in the west of Norway; variable in Sweden.

WEATHER

Fair or fine over Western Europe as a whole, but foggy at many of the English stations, as well as in Sweden, Denmark and North Germany.
Dull in the south of Ireland and also in the Shetlands and Hebrides.
Slight rain fell yesterday in the south of Ireland, and also in some places in the south of France, but in all other parts of our area the weather remained dry.

SEA

Slight or smooth generally, but rather rough off the north of Scotland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Since yesterday morning the anticyclone over northern Europe has continued to spread westwards and southwards. The system is now beginning to move southwards, but there are at present no signs of any decided change in the weather over our Islands.

FORECASTS

For the 24 hours ending at NOON on 19th OCTOBER, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S^ly winds, light or moderate; fair generally.
2 ENGLAND N.E 3 ENGLAND EAST	SE^ly winds, light; fine generally, but local fogs at night.
4 MIDLAND COUNTIES 5 ENGLAND SOUTH	E^ly winds, light; fine generally, but local fogs at night.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 2 and 3.
8 ENGLAND S.W.	E^ly and SE^ly winds, moderate; fine generally.
9 IRELAND NORTH 10 IRELAND SOUTH	SE^ly and S^ly winds, moderate or fresh; fair generally.
WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·38	55	49	S	6	b	4
Sumburgh Head	29.99	53	52	SSE	6	0	6
Stornoway... ...	29.84	58	56	SSW	5	0	5
Aberdeen	30·06	55	52	S	3	bc	5
Shields	30·09	55	53	E	2	bm	2
Malin Head ...	29.86	64	62	S	4	b	2
Blacksod Pt... ...	29.81	59	57	SSW	5	c	4
Holyhead	30·02	63	59	SSW	1	om	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA
Valencia	29.89	59	59	SSE	3	ogma	4
Scilly	29.96	60	59	ESE	3	r	4
Jersey	30·01	69	63	NNE	2	b	2
Portland Bill ...	30·05	59	57	ESE	4	b	4
Dungeness ...	30·08	57	55	E	4	b	3
London (Westminster)	30·10	60	53	E	1	bm	*
Yarmouth ...	30·13	55	52	ESE	3	b	4
Rochefort ...	29.93	77	72	ESE	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over England and the western and central parts of the Continent generally, but with fog in places, the latter being very general over Denmark and North Germany. Cloudy or dull in the west and north of our Islands and also over Russia and nearly the whole of southern Europe, with rain at Rome and Madrid. A little rain falling later in the south of Ireland and also at some stations in the south of France.

Temperature risen in our Islands and also over Norway, Denmark, and northern Russia, fallen in most other localities. Morning readings highest 78° at Palermo, 73° at Oran and Algiers, and 72° at Malta; above 65° at the Mediterranean and Adriatic stations generally. Lowest (1) 27° at Hermanstadt, and 32° at Vienna, Prague and Budapesth; (2) 32° at Ulleaborg, and 34° at Haparanda. Rising during day to between 60° and 65° in many parts of the United Kingdom, to 67° at Loughborough; exceeding 70° in the Channel Islands and the west and south of France. Ground frost occurring over Central England at night.

Wind light to moderate from the E^ly over the southeast of England, and also over France, the Netherlands, Denmark and Western Germany; SE^ly on our own western coasts; S^ly in the north of Scotland; SE^ly or E^ly in the west of Norway. Calm or variable over Finland and the Gulf of Bothnia, light or moderate from the N^ly over the Baltic and the south of Sweden. Calm in Austria and the extreme south of Russia; variable over Italy and the Adriatic. No important change occurring over Western Europe during day.

Barometer highest 30·4 ins. and upwards over the southern parts of Sweden; 30·1 ins. and upwards in an anticyclone covering the whole of northern, central, and southeastern Europe. Lowest 29·8 ins. and less, in a depression lying to the westward of our Islands and also in another disturbance over Portugal and the north of Spain. Anticyclone subsequently spreading westwards, and barometer rising steadily in all part of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £½ 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on *Thursday, 19th October,* 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	30.36	37	SW	2	0	30.01	-.45	41	41	+4	S	6	r	*	0	*	?	30	-
	Hernösand	30.35	39	Z	0	f	30.13	-.35	36	36	+6	Z	0	f	*	f	*	43	25	-
	Stockholm	30.41	41	Z	0	f	30.23	-.29	42	40	+4	W	2	0	*	f	*	42	36	-
	Wisby	30.45	43	NNW	4	b	30.26	-.23	41	40	-5	NW	4	0	*	b	*	46	36	-
	Karlstad	30.44	43	SW	2	0	30.23	-.30	41	40	+10	WSW	2	f	*	0	*	*	*	-
	Bodö	30.10	*	SW	6	r	29.71	-.53	49	48	+7	SW	8	r	5	r	*	52	39	1.46
	Christiansund ...	30.22	48	ESE	1	c	30.06	-.24	56	53	+7	WSW	8	r	5	c	*	56	48	-
	Skudesnaes ...	30.43	51	S	6	c	30.34	-.15	52	50	+1	S	4	0	3	b,c	*	55	48	*
	Færder (X'tiania Fjord)	30.44	43	NW	1	f	30.26	-.26	48	40	+7	W	1	0	2	f	*	50	41	-
	The Scaw (Skagen)	30.49	42	NNW	1	b	30.34	-.20	51	49	+5	W	3	m	0	b	*	51	41	-
	Hanö	30.56	42	E	1	f	30.49	-.02	47	46	+11	SW	4	b	*	f	*	48	36	-
BRITISH ISLANDS	Sumburgh Head	30.13	52	SW	1	m	30.16	+.04	57	57	+5	W	3	0	4	0,m	*	59	50	-
	Stornoway	30.09	58	SSW	4	0	30.12	+.06	57	55	-1	SW	5	0	5	0	0.0	59	53	-
	Wick	30.07	56	S	3	bc	30.20	+.06	57	55	+1	S	3	bc	1	bc	*	62	52	-
	Nairn	30.17	58	Z	0	0	30.20	+.06	57	55	-2	W	1	bm	0	0	*	66	57	-
	Aberdeen	30.25	57	S	2	c	30.27	+.03	55	53	+2	SW	1	bmw	1	cm.c	0.0	58	46	-
	Leith	30.26	54	W	1	m	30.32	+.08	45	43	-8	Z	0	m	*	m	*	60	41	-
	Shields	30.32	52	SSW	3	cm	30.34	+.06	40	39	-3	SW	2	f	2	bm.cm	*	61	39	-
	Spurn Head ...	30.36	50	SE	4	b	30.42	+.13	43	42	-7	SW	2	f	2	b	*	55	40	-
	Loughborough ...	30.39	43	ESE	1	b	30.44	+.09	34	34	-2	ESE	1	fw	*	bc.bm.f	*	67	28	-
	Malin Head ...	30.16	61	SE	4	c	30.18	+.08	58	55	-1	S	4	bc	2	bc.c	*	64	57	-
	Blacksod Pt. ...	30.12	57	SW	4	c	?30.17	+.12	57	54	-1	S	3	bw	3	bc.c	*	63	56	-
	Donaghadee ...	30.26	56	S	3	bcm	?30.27	+.05	51	50	-5	SSW	3	bcm	3	bcm	*	59	49	-
	Liverpool (Bidston)	30.38	53	ESE	3	b	30.37	+.09	44	40	-3	ESE	3	b	?	bm	*	61	40	-
	Holyhead	30.29	57	Z	0	bc	30.33	+.10	50	44	-6	Z	0	b	0	bc	*	66	44	-
	Parsonstown ...	30.24	60	SE	1	c	30.27	+.10	49	47	-9	SE	1	b	*	c	4.5	66	47	-
	Valencia	30.16	63	SE	3	c	30.20	+.06	57	54	-4	E	3	b	3	c	2.2	63	55	-
	Roche's Point ...	30.25	58	SE	3	c	?30.25	+.08	56	54	-1	SSE	4	c	4	c	*	60	54	-
	Pembroke (St. Ann's Hd.)	30.28	57	SE	5	m	30.32	+.11	52	50	-3	E	5	bm	4	b,m	8.0	59	50	-
	Scilly	30.21	57	ESE	5	bc	30.23	+.09	56	53	-2	E	5	c	4	bc	8.8	61	52	-
	Jersey (St. Aubin's) ...	30.26	58	ENE	4	bm	30.31	+.07	53	50	-2	NE	4	bmw	3	b.bm	*	65	49	-
	Portland Bill ...	30.34	57	E	4	b	30.36	+.12	49	47	-5	ENE	3	bm	3	b	*	60	46	-
	Dungeness	30.36	56	E	4	b	30.40	+.08	51	50	-4	ESE	2	b	1	b	*	60	48	-
	London (Brixton) ...	30.40	53	SE	1	b	30.42	+.09	41	41	0	Z	0	f	*	f. b.bw	4.0	66	40	-
	Oxford	30.41	44	SE	1	b	30.44	+.10	30	30	-4	Z	0	f	*	b	*	64	30	-
	Yarmouth	30.39	53	ESE	3	bw	30.42	+.08	52	50	-2	SE	2	b	3	b	*	56	48	-
GERMANY.	Cuxhaven	30.52	41	E	1	b	30.51	+.01	33	31	-8	Z	0	f	*	b	*	48	32	0.04
	Berlin	30.50	48	N	3	c	30.53	+.08	37	37	-7	NW	1	f	*	0	*	52	36	-
	Wiesbaden	*	*	*	*	*	30.49	+.08	42	40	-2	NE	4	b	*	*	*	52	39	-
	Munich	30.41	36	E	5	b	30.45	+.11	32	32	0	E	4	b	*	b	*	48	27	-
FRANCE & NETHERLANDS.	The Helder ...	30.47	43	E	1	f	30.48	+.08	36	35	-9	Z	0	f	0	m	*	48	36	-
	Brussels	*	*	*	*	*									*		*			
	C. Gris Nez ...	30.30	51	E	1	m	30.37	+.09	38	36	-7	SE	1	m	1	m	*	59	36	-
	Paris	30.30	52	NE	3	b	30.34	+.08	35	34	-9	NNE	2	b	*	b	*	62	35	-
	Brest	30.19	63	NE	1	b	30.22	+.08	43	40	-12	NE	2	b	2	b	*	72	37	-
	Lorient	30.18	62	ENE	3	b	30.21	+.07	47	43	-8	E	5	b	5	b	*	73	46	-
	Rochefort	30.10	59	E	4	b	30.12	+.08	47	44	-8	ENE	4	b	*	b	*	70	43	-
	Belfort	30.22	47	ENE	5	b	30.30	+.13	37	35	-9	E	7	m	*	b	*	53	36	-
	Lyons	30.21	48	SW	1	f	30.23	+.08	41	41	-6	NE	1	f	*	f	*	49	40	-
	Nice	30.04	60	Z	0	b	30.07	+.04	60	45	+6	NE	6	b	4	b	*	68	54	-
	Perpignan	30.07	59	Z	0	b	30.12	+.10	52	52	-8	Z	0	m	*	0	*	67	51	0.04
	Biarritz	30.01	65	NE	3	c	30.00	+.04	61	61	+2	Z	0	m	2	c	*	66	59	-
SPAN. PEN.	Corunna																			
	Lisbon	29.95	68	NNW	4	b	29.92	-.03	66	61	+2	NE	4	b	*	b	*	73	63	-
	Azores (P. Delgada)	29.71	64	SW	5	bc	29.78	+.08	61	57	-4	SW	5	c	5	bc	*	70	57	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 7.8 *hrs.*

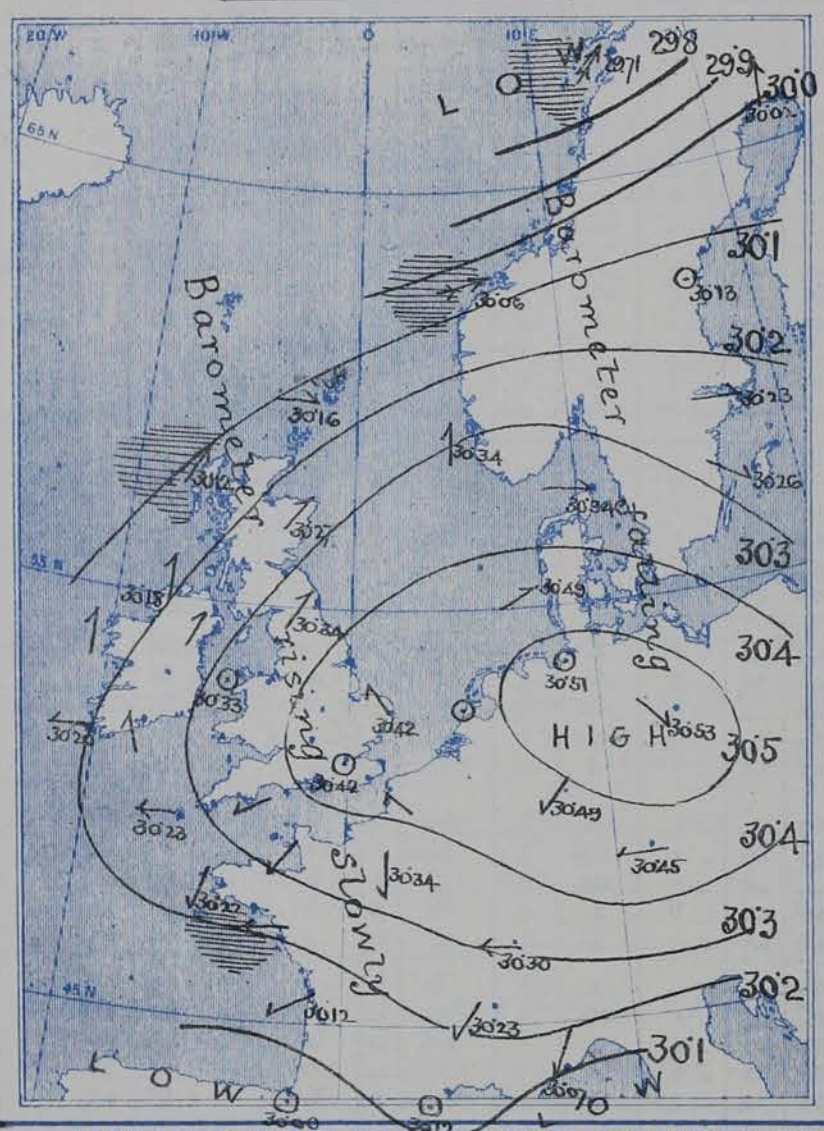
WEATHER CHARTS

FOR Thursday, 19th October, 1899.

BAROMETER, WIND AND SEA.

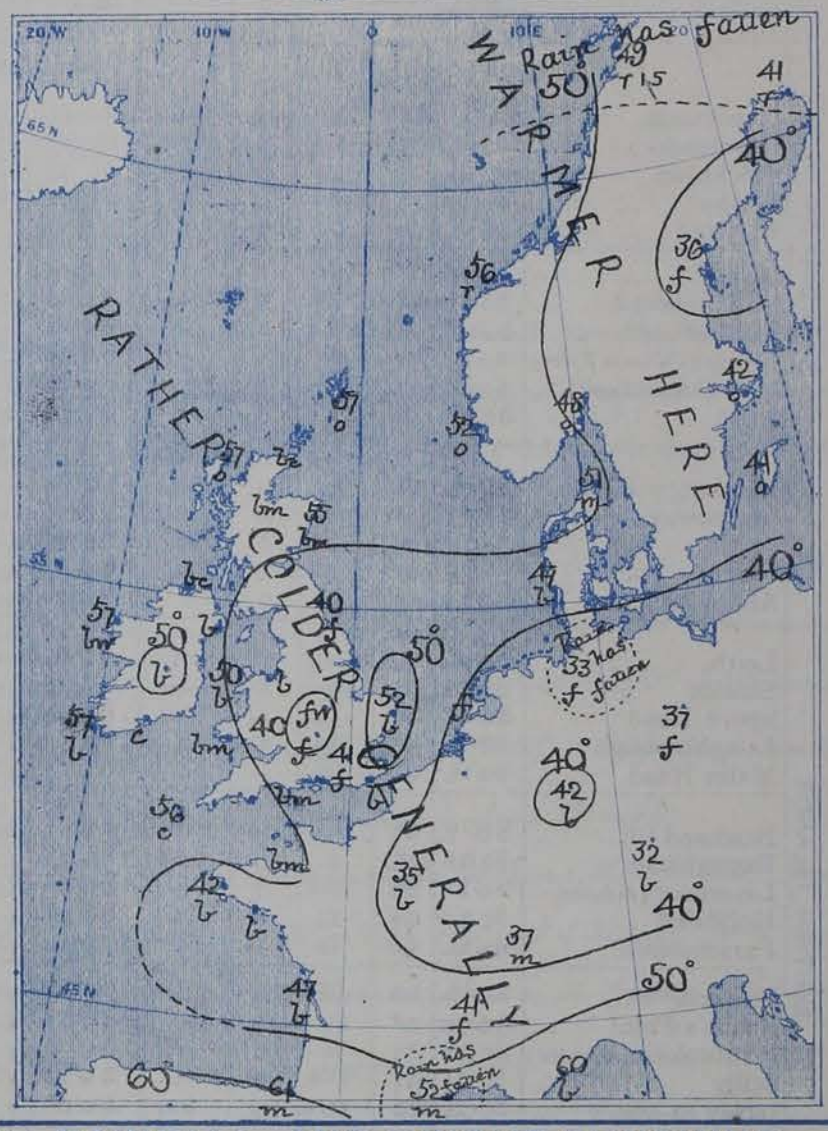
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 ins. and upwards over North Germany; 30·1 ins. and upwards in an anticyclone covering the whole of western and central Europe.
Lowest, 29·8 ins. and less, in a depression lying off the northern part of the Norwegian coast.
Gradient slight generally, but rather steep over the northern part of Scandinavia.
Barometer rising slowly in our Islands and France, but falling in Scandinavia and Denmark.

TEMPERATURE

Highest, (1) 61° at Biarritz and 60° at Nice; (2) 58° at Malin Hd., and 57° at Sumburgh Hd., Stornoway, Wick, Nairn, Blacksod Pt., and Valencia (Ireland).
Lowest, (1) 30° at Oxford, and 34° at Loughborough; (2) 32° at Munich, 33° at Cuxhaven, and 35° at Paris.
Frost occurred last night over the inland parts of England, the lowest temperatures reported being:– In the screen 28° at Loughborough and 30° at Oxford; (2) On the grass 22° at Loughborough, 24° at Oxford, and 32° in London.

WIND

Light to fresh from the E^ly or NE^ly over the English and Bristol Channels, France, and South Germany.
Moderate from the S^ly in Ireland; SW^ly or W^ly over Scotland, Scandinavia and Denmark, with a gale on the west coast of Norway.

WEATHER

Fine over Western Europe as a whole, but foggy over the eastern and central parts of England, as well as in North Germany, the Netherlands, and at some of the Swedish stations.
Dull in the Shetlands and Hebrides, and rainy over the northern part of Scandinavia.
Since yesterday morning heavy rain has fallen at Lerwick, but over Western Europe generally the weather has remained dry. Lunar halos were seen yesterday at Wick and Donaghadee.

SEA

Moderate or slight generally, but rather rough off the Hebrides and the Norwegian coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is moving southwards, and a large depression has appeared off the northern part of the Norwegian coasts. Less settled weather seems likely to set in shortly on our extreme northern coasts, but in other parts of our Islands no material change is probable just at present.

FORECASTS

For the 24 hours ending at NOON on 20TH OCTOBER, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW^ly winds, freshening; dull, some rain.
1 SCOTLAND EAST	SW^ly winds, light; fair generally, but some mist or fog.
2 ENGLAND N.E.	
3 ENGLAND EAST	E^ly and SE^ly winds, light; fair generally but local fogs at night.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 1 and 2.
7 ENGLAND N.W.	Same as Nos. 3 to 5.
8 ENGLAND S.W.	E^ly and SE^ly winds, moderate; fine generally
9 IRELAND NORTH	S^ly winds, moderate or fresh; fair generally.
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·47	54	50	S	6	b	4
Sumburgh Head	30·11	54	54	SSE	3	0	4
Stornoway... ...	30·08	59	57	SSW	5	0	5
Aberdeen	30·24	56	53	S	2	cm	3
Shields	30·30	60	54	SSW	2	b	2
Malin Head ...	30·13	64	62	S	5	bc	2
Blacksod Pt.. ...	30·11	62	59	SW	4	bc	3
Holyhead	30·27	65	58	SW	1	bcm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·15	62	60	SSE	3	c	4
Scilly	30·20	61	58	ESE	5	bc	3
Jersey	30·24	64	55	NE	3	b	3
Portland Bill ...	30·29	59	56	ESE	5	bm	4
Dungeness ...	30·33	59	57	ENE	4	b	3
London (Westminster)	30·34	63	55	ENE	1	bm	*
Yarmouth ...	30·38	56	53	SE	3	b	3
Rochefort ...	30·08	69	63	ENE	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over Western Europe as a whole, but foggy at many of the English stations, as well as in Sweden, Denmark, and North Germany; dull in the south of Ireland and also in the Shetlands and Hebrides. Cloudy or dull in most of the eastern, central, and central countries, with rain at Rome and a thunderstorm at Bilbao. Heavy rain falling later at Bodö; no decided change occurring elsewhere, but lunar halos seen at Wick and Donaghadee.

Temperature fallen over England, France, and the greater part of southern and eastern Europe, but risen elsewhere. Morning readings highest 79° at Malta, 73° at La Calle, and 71° at Palermo and Tunis, above 60° at most of the Mediterranean and Spanish coast stations, as well as at Valencia (Ireland) and as high as 59° even at Naum. Lowest (1) 30° at Hernösand and 31° at Karlstad; (2) 32° at Munich; (3) 34° at Oxford and 36° at Loughborough. Rising during day to 65° or slightly above it in many part of the United Kingdom, to 70° and upwards in the west of France, as well as in Portugal. Frost occurring over Central England at night.

Wind light to moderate from the E^ly or NE^ly over the English Channel, France, the Netherlands, Western Germany and northern Italy; moderate to fresh from the SE^ly on our own western coasts, S^ly or SW^ly in Scotland, and SE^ly in the west of Norway. Light from the N^ly or NE^ly over Russia; variable over southern Italy. No important change occurring during day.

Barometer highest 30·5 ins. and upwards over Denmark and the south of Sweden; 30·1 ins. and upwards in an anticyclone covering all but the southern part of Europe. Lowest 29·8 ins. and less, in a shallow depression over Tunis. Anticyclone moving slowly southwards during day, and depression approaching the northern part of the Norwegian coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 20th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.85	38	N	2	c	29.74	-.27	40	39	-1	SW	0	c	•	c	•	43	37	0.24
	Hernösand	30.04	49	SW	0	0	29.90	-.23	48	46	+12	SW	0	0	•	0	•	48	32	-
	Stockholm	30.13	46	N	2	0	30.13	-.10	44	43	+2	SW	2	0	•	0	•	46	37	-
	Wisby	30.13	49	NW	4	bc	30.21	-.05	48	47	+7	NNW	4	c	•	bc	•	48	37	-
	Karlstad	30.19	46	NW	2	0	30.13	-.10	47	47	+6	SW	2	f		0	•	•	•	-
	Bodö	29.73	46	SW	4	r	29.43	-.28	47	46	-2	S	4	r	2	r	•	49	43	0.98
	Christiansund ...	30.05	57	WSW	4	r	29.76	-.30	55	51	-1	W	9	c	6	r	•	57	52	0.20
	Skudesnaes ...	30.30	52	S	2	m	30.21	-.13	51	50	-1	S	6	m	4	of. m	•	54	50	•
	Færder (X'iania Fjord)	30.19	51	NE	1	0	30.15	-.11	52	51	+4	NSW	4	bc	2	0	•	52	46	-
	The Scaw (Skagen)	30.25	52	WNW	3	m	30.25	-.09	51	50	0	W	8	m	0	m	•	54	50	-
	Fanö	30.43	51	SW	4	b	30.41	-.08	50	49	+3	SW	2	b	•	b	•	54	47	-
BRITISH ISLANDS.	Sumburgh Head ...	30.08	53	SW	1	c	29.98	-.18	54	54	-3	WSW	7	0	6	c.o	•	58	46	-
	Stornoway	30.06	57	SW	5	c	30.17	+.03	53	52	-4	NNW	4	r	4	c	3.8	62	49	0.02
	Wick	30.10	48	W	1	b	30.15	-.05	58	55	+1	W	4	bc	1	b	•	64	52	-
	Nairn	30.14	57	SW	1	b	30.18	-.02	51	48	-6	WSW	2	b	1	b	•	69	46	-
	Aberdeen	30.20	53	SW	1	bm	30.23	-.04	52	45	-3	SW	1	bcmw	1	bc. bm	5.4	64	38	-
	Leith	30.26	54	S	0	m	30.31	-.01	34	33	-11	SSW	2	m	•	m	•	65	31	-
	Shields	30.32	49	SSW	3	m	30.33	-.01	36	34	-4	SW	2	f	2	bm. m	•	63	35	-
	Spurn Head ...	30.39	52	SSE	3	b	30.37	-.05	46	43	+3	S	1	f	7	b	•	55	40	-
	Loughborough ...	30.40	39	ESE	1	b	30.42	-.02	33	33	-1	S	0	of	•	f. bm fa	•	59	30	0.01
	Malin Head ...	30.15	58	S	4	bc	30.27	+.09	49	45	-9	S	2	bm	1	c. bc	•	63	48	-
	Blacksod Pt. ...	30.14	57	S	4	b	30.21	+.04	46	44	-11	SSW	1	b	1	b	•	63	44	-
	Donaghadee	30.28	53	SW	3	b	30.33	+.06	45	45	-6	SW	3	bcm	3	b. bw	•	60	40	-
	Liverpool (Bidston)	30.35	52	ESE	3	b	30.35	-.02	41	40	-3	ESE	3	b	?	b	•	59	39	-
	Holyhead	30.31	54	SE	1	b	30.32	-.01	46	43	-4	S	0	b	0	b	•	62	43	-
	Parsonstown ...	30.25	53	S	1	b	30.31	+.04	37	36	-12	E	1	bf	•	b	9.3	62	36	-
	Valencia	30.19	56	SE	2	b	30.26	+.06	41	39	-16	ENE	1	b	2	b	9.3	65	38	-
	Roche's Point ...	30.28	55	SE	3	bc	30.28	+.03	55	52	-1	SE	5	cm	4	bc	•	60	50	-
	Pembroke (St. Ann's Hd.)	30.29	55	SE	4	b	30.31	-.01	48	46	-4	ESE	5	bm	4	b	8.2	57	46	-
	Scilly	30.19	56	E	6	b	30.21	-.02	56	53	0	E	5	b	3	bm. b	9.3	61	52	-
	Jersey (St. Aubin's) ...	30.24	56	ENE	4	bm	30.30	-.01	50	47	-3	ENE	3	bmw	3	b. bm	•	61	46	-
	Portland Bill ...	30.31	56	E	4	b	30.32	-.04	49	48	0	E	5	cm	4	b	•	58	46	-
	Dungeness	30.33	53	ENE	4	bc	30.36	-.04	53	51	+2	E	4	bc	3	b. bc	•	56	50	-
	London (Brixton) ...	30.37	50	SE	1	b	30.39	-.03	41	40	0	SW	0	f	•	bm. fw	4.3	60	39	-
	Oxford	30.39	40	E	1	b	30.40	-.04	32	32	+2	NNE	1	f	•	b. f	•	57	30	-
	Yarmouth	30.39	53	ESE	3	b	30.39	-.03	48	46	-4	ESE	1	bf	2	b	•	55	40	-
GERMANY.	Cuxhaven	30.45	45	SW	1	b	30.42	-.09	41	41	+8	SW	1	b	•	b	•	48	33	-
	Berlin	30.50	42	SW	0	c	30.50	-.03	38	37	+1	W	1	b	•	c	•	48	37	-
	Wiesbaden	•	•	•	•	•	30.49	.00	42	40	0	NE	3	b	•	•	•	54	37	-
	Munich	30.47	35	E	2	b	30.46	+.01	32	32	0	E	3	b	•	b	•	48	27	-
FRANCE & NETHERLANDS.	The Helder ...	30.43	42	SW	0	m	30.44	-.04	41	40	+5	SW	0	f	0	m	•	54	36	-
	Brussels	•	•	•	•	•	30.42		46	41		ENE	1	c	•	b	•	55	37	-
	C. Gris Nez ...	30.32	49	ESE	4	m	30.34	-.03	44	39	+6	ESE	2	bc	1	m	•	54	37	-
	Paris	30.30	44	NE	2	b	30.34	.00	36	35	+1	NE	2	bc	•	b	•	59	35	-
	Brest	30.14	56	NE	3	bc	30.19	-.03	47	45	+4	E	2	b	1	bc	•	66	39	-
	Lorient	30.17	59	ENE	5	bc	30.21	.00	48	47	+1	E	5	b	5	bc	•	63	45	-
	Rochefort	30.10	55	E	4	b	30.18	+.06	48	46	+1	E	2	b	•	b	•	63	43	-
	Belfort	30.25	45	E	6	b	30.37	+.07	36	34	-1	ENE	5	m	•	b	•	51	33	-
	Lyons	30.28	42	SSE	1	0	30.36	+.13	33	33	-8	E	1	f	•	0	•	46	33	-
	Nice	30.12	60	E	1	b	30.24	+.17	59	43	-1	E	2	b	7	b	•	68	55	-
	Perpignan	30.14	57	S	1	0	30.25	+.13	57	55	+5	E	1	r	•	0	•	66	51	-
	Biarritz	29.99	64	N	2	b	29.97	-.03	50	49	-11	ESE	3	b	2	b	•	68	?	-
SPAN. PEN.	Corunna																•			
	Lisbon	29.91	69	NE	3	b	29.95	+.03	62	58	-4	NNE	4	b	•	b	•	75	61	-
	Azores (P. Delgada)	29.76	59	NW	2	c	29.70	-.03	60	57	-1	NW	3	c	4	c	•	68	55	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 8.6 *hrs.*

WEATHER CHARTS

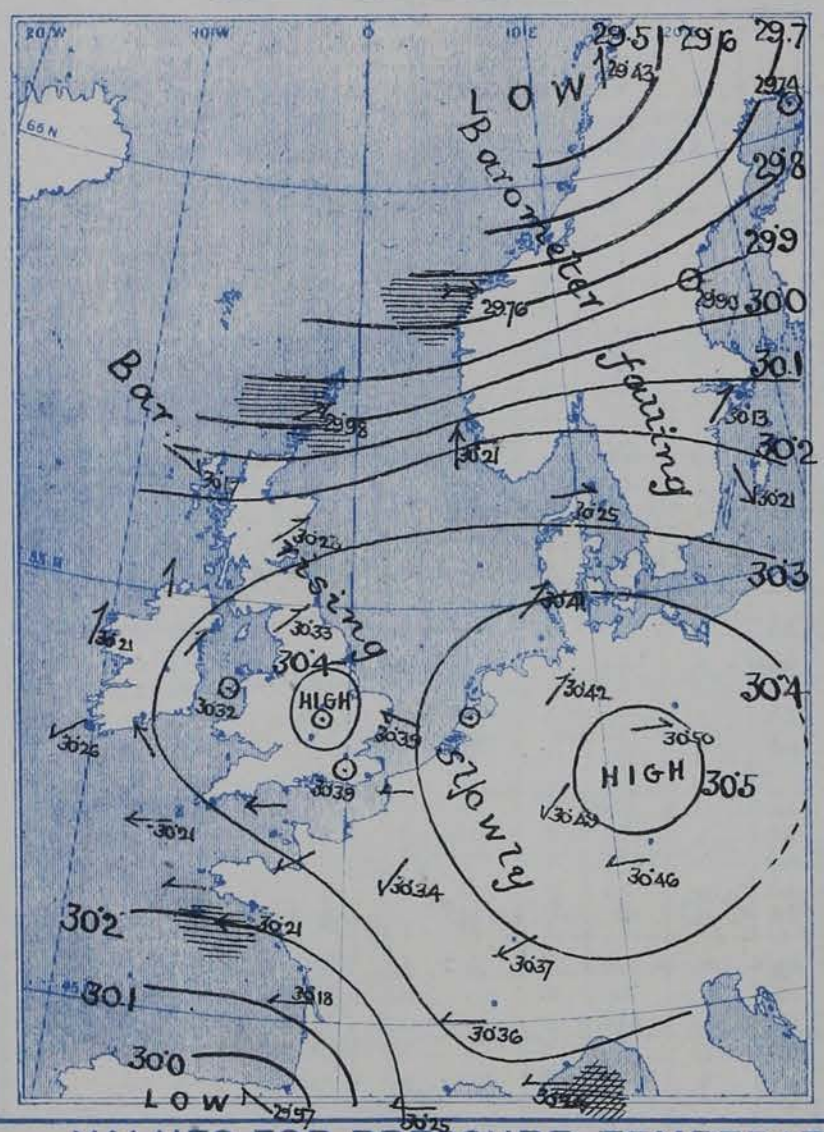
FOR Friday, 20th October, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

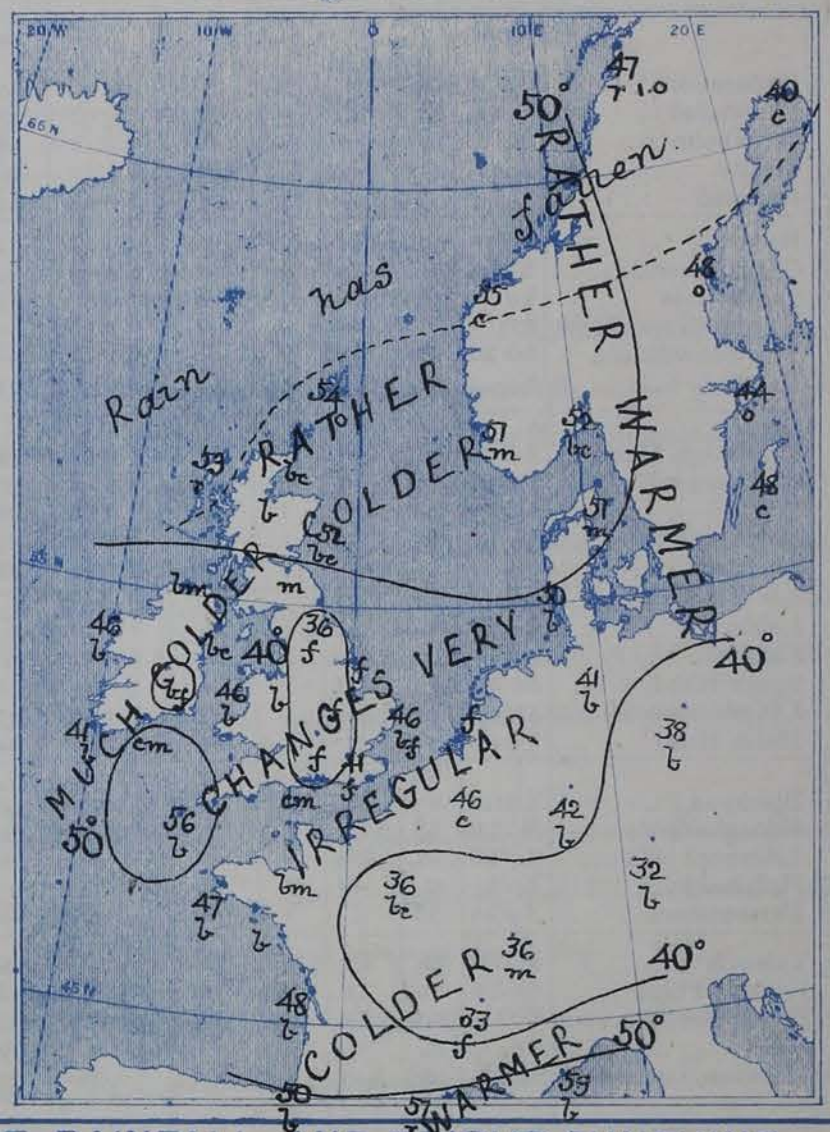
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 ins: and upwards over Central Germany; 30·3 ins: and upwards, in an anticyclone extending from Central Europe over the greater part of the North Sea, England, and the east of Ireland.
Lowest, 29·5 ins: and less, in a large and rather deep depression with its centre off the northern part of the Norwegian coasts.
Gradients steep over Scandinavia and the neighbouring parts of the ocean, but slight elsewhere.
Barometer falling in Scandinavia, but rising elsewhere.

TEMPERATURE

Highest, (1) 59° at Nice and 57° at Perpignan; (2) 58° at Wick and 55° at Christiansund; (3) 56° at Scilly.
Lowest, (1) 32° at Oxford, 33° at Loughborough and 34° at Leith; (2) 32° at Munich and 33° at Lyons.
During yesterday the thermometer rose to 60° and upwards in many parts of the United Kingdom, to 65° at Leith and Valencia (Ireland) and to 69° at Nairn.

WIND

E^{ly} over the southern parts of our Islands and also over France, the Netherlands and western and southern Germany; fresh in force on our own southernmost coasts.
SW^{ly} or W^{ly} over the northern parts of our Islands and also over Norway, Denmark, and the south of Sweden; strong to a gale in force in the Shetlands and the west of Norway. Calm in the Gulf of Bothnia.

WEATHER

Fine over Western Europe as a whole, but foggy over the eastern and central parts of England, as well as at Boscombe, the Helder and Lyons.
Dull in the extreme north of Scotland and at most of the Scandinavian stations, with rain at Stornoway and Bodö.
Rain fell yesterday over the northern parts of Scandinavia, but in all other parts of our area the weather remained dry.
A lunar halo was seen at Dumfries.

SEA

High at Nice and rough at Sumburgh Hd. and Bodö, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions in the north are not at present inclined to spread far to the southward, and fair weather is, therefore, likely to continue for a time on all but our extreme northern coasts. Fog is probable over a considerable part of England.

FORECASTS

For the 24 hours ending at NOON on 21st OCTOBER 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W^{ly} winds, strong in places; dull, some rain.
1 SCOTLAND EAST	SW^{ly} and W^{ly} winds, light; fair generally, but some mist or fog.
2 ENGLAND N.E.	
3 ENGLAND EAST	Variable or E^{ly} airs; fair in places; but mostly foggy or misty.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos 1 and 2
7 ENGLAND N.W.	Variable or S^{ly} airs; fair generally, but some mist or fog.
8 ENGLAND S.W.	E^{ly} and SE^{ly} winds, moderate or fresh; fair generally.
9 IRELAND NORTH	Same as No 7.
10 IRELAND SOUTH	Same as No 8.
WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·32	53	51	S	2	of	3
Sumburgh Head	30·13	55	54	Z	0	c	4
Stornoway... ...	30·11	62	56	SW	4	c	4
Aberdeen	30·22	63	56	SSW	1	bcm	1
Shields	30·32	62	54	SW	2	bm	2
Malin Head ...	30·16	63	57	S	1	c	2
Blacksod Pt.. ...	30·13	62	56	S	4	b	4
Holyhead	30·32	61	51	SW	1	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·18	64	58	SE	4	b	4
Scilly	30·21	60	56	E	6	bm	3
Jersey	30·29	58	51	ENE	5	b	3
Portland Bill ...	30·33	58	54	ESE	5	b	5
Dungeness ...	30·37	55	54	ENE	4	b	3
London (Westminster)	30·39	59	51	ESE	2	b	*
Yarmouth ...	30·42	54	52	SE	2	b	3
Rochefort ...	30·08	63	57	ENE	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over western and central Europe as a whole, but foggy over the eastern and central parts of England as well as over the Netherlands, North Germany and at some of the Swedish stations. Dull in the Shetlands and Hebrides and rainy over the northern parts of Scandinavia; dull in Greece and Italy. Heavy rain falling later at Bodö.

Temperature risen in Scandinavia and Denmark, but fallen elsewhere. Morning readings highest 74° at Malta, 73° at Palermo and Sfax, and 71° at Tunis; above 60° at the Mediterranean and Spanish coast stations generally. Lowest (1) 29° at Kharkov, 30° at Archangel, and 32° at Breslau and Munich; (2) 30° at Oxford and 34° at Loughborough. Rising during day to between 60° and 65° in many parts of the United Kingdom and to 69° at Kiew. Exceeding 65° also in the west and south of France, and reaching 75° at Lisbon. Ground frost occurring over Central England at night.

Wind light to fresh from the E^ly or NE^ly over the English and Bristol Channels, France, Spain and Western Germany, and from the N^ly in Italy. S^ly in Ireland and SW^ly in Scotland and the west of Norway, with a gale at Christiansund. Light and variable over northern Russia; W^ly or NW^ly over Denmark and south of Sweden, the Baltic and Eastern Germany. No important change occurring over Western Europe during day.

Barometer highest 30·5 in. and upwards over Germany; 30·1 in. and upwards in an anticyclone covering all but the extreme northern and southern parts of Europe. Lowest 29·8 in. and less, in a depression lying off the northwest of Norway; 29·8 in. and less, in another and shallower system over Tunis. Slight fall of barometer taking place over Western Europe during day, but general distribution of pressure remaining unchanged.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder, u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 21st October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda ...	29.13	43	NSW	6	b	29.32	-.42	38	36	-2	N	8	c	•	b	•	50	37	0.20
	Hernösand ...	29.60	57	W	9	b	29.80	-.10	42	37	-6	W	9	b	•	b	•	59	42	-
	Stockholm ...	29.91	52	SW	2	b	30.02	-.11	48	41	+4	WNW	6	b	•	b	•	57	41	-
	Wisby ...	30.03	51	W	4	b	30.10	-.11	49	46	+1	NW	6	b	•	b	•	55	41	-
	Karlstad ...	29.98	50	SW	6	bc	30.15	+.02	44	39	-3	SW	2	b	•	bc	•	•	•	-
	Bodö ...																•			
	Christiansund ...	29.89	46	SW	10	r	30.23	+.47	39	35	-16	NNW	8	o	4	r	•	55	37	0.12
	Skudesnaes ...	30.30	51	NNW	4	o	30.43	+.22	46	44	-5	NNW	4	c	2	o	•	55	46	•
	Færder (X'iania Fjord)	30.04	54	SW	4	c	30.23	+.08	51	45	-1	WSW	4	b	3	c	•	54	50	-
	The Scaw (Skagen)	30.19	53	WNW	5	m	30.28	+.03	49	45	-2	WNW	4	b	1	m	•	55	48	-
	Fanö ...	30.39	50	SW	2	b	30.42	+.01	47	46	-3	NNW	2	b	•	b	•	61	46	-
BRITISH ISLANDS.	Sumburgh Head ...	30.25	49	NSW	6	o	30.46	+.48	40	39	-14	NNE	1	bc	?	o	•	55	39	-
	Stornoway ...	30.37	50	S	0	o	30.43	+.26	44	42	-9	ESE	2	c	2	o	0.1	54	36	0.03
	Wick ...	30.38	55	W	3	bc	30.50	+.35	47	44	-11	E	2	c	1	bc	•	59	40	-
	Nairn ...	30.38	52	W	1	o	30.47	+.29	49	47	-2	S	0	o	0	o	•	64	46	-
	Aberdeen ...	30.38	51	NE	2	og	30.51	+.28	50	46	-2	E	2	og	3	b.og	8.4	65	48	-
	Leith ...	30.33	52	W	3	m	30.47	+.16	49	48	+15	SE	2	o	•	m	•	62	32	-
	Shields ...	30.34	49	SW	1	f	30.44	+.11	43	43	+7	NNW	2	f	2	f	•	60	35	-
	Spurn Head ...	30.41	52	SSE	1	bc	30.42	+.05	53	51	+7	SE	1	bc	2	bc.f	•	55	42	-
	Loughborough ...	30.39	38	E	1	f	30.44	+.02	37	37	+4	NE	1	ofw	•	f.bcm.f	•	53	31	-
	Malin Head ...	30.34	52	E	2	b	30.33	+.06	50	50	+1	ESE	3	bcm	2	b	•	58	47	-
	Blacksod Pt. ...	30.30	53	NE	1	b	30.29	+.08	49	46	+3	SSE	1	mw	1	b	•	55	46	-
	Donaghadee ...	30.35	52	SSE	2	c	30.39	+.06	52	47	+7	ESE	4	bc	3	c	•	56	41	-
	Liverpool (Bidston)	30.35	50	ESE	2	b	30.40	-.05	43	41	+2	ESE	2	b	?	bm	•	55	40	-
	Holyhead ...	30.32	54	S	0	bc	30.35	+.03	49	46	+3	S	0	bc	0	bc	•	59	43	-
	Parsonstown ...	30.30	51	SE	1	b	30.33	+.02	38	38	+1	SE	1	f	•	b	8.1	61	35	-
	Valencia ...	30.28	50	S	0	bm	30.30	+.04	44	43	+3	ESE	1	bm	1	b.bm	8.7	58	40	-
	Roche's Point ...	30.29	54	SE	3	c	30.31	+.03	53	52	0	SE	4	c	3	c	•	59	48	-
	Pembroke (St. Ann's Hd.)	?	56	ESE	4	b	30.31	.00	46	45	-2	ENE	3	cm	4	b	6.2	58	45	-
	Scilly ...	30.21	57	E	3	bcm	30.23	+.02	57	55	+1	E	4	bcw	3	b.bcm	8.5	60	51	-
	Jersey (St. Aubin's) ...	30.25	57	E	3	bm	30.34	+.04	56	52	+6	ESE	3	bm	3	bc.bm	•	61	45	-
	Portland Bill ...	30.29	53	E	4	b	30.33	+.01	53	52	+4	E	3	bm	3	cm.b	•	59	47	-
	Dungeness ...	30.32	55	E	3	bc	30.37	+.01	40	40	-13	NW	2	f	1	bc	•	60	33	-
	London (Brixton) ...	30.35	49	SE	1	bm	30.35	-.04	41	41	0	S	0	fog		f.bmfw	1.0	60	40	-
	Oxford ...	30.37	43	NE	1	b	30.42	+.02	34	34	+2	N	1		•	f.b.f	•	50	32	-
	Yarmouth ...	30.36	53	ESE	1	b	30.39	.00	53	52	+5	NE	2	bw	2	b	•	56	43	-
GERMANY.	Cuxhaven ...	30.39	48	W	1	b	30.40	-.02	43	42	+2	N	1	m	•	b	•	52	39	-
	Berlin ...	30.44	48	S	0	b	30.39	-.11	41	39	+3	W	2	b	•	b	•	53	38	-
	Wiesbaden ...	•	•	•	•	•	30.42	-.07	36	35	-6	E	1	b	•	•	•	55	34	-
	Munich ...	30.43	39	SE	2	b	30.48	+.02	33	33	+1	SW	1	b	•	b	•	52	30	-
FRANCE & NETHERLANDS.	The Helder ...	30.39	51	S	0	m	30.41	-.03	50	48	+9	NE	1	b	0	m	•	57	41	-
	Brussels ...	•	•	•	•	•	30.41	-.01	45	42	-1	S	0	b	•	b	•	61	38	-
	C. Gris Nez ...	30.31	50	SE	1	m	30.33	-.01	45	41	+1	S	1	m	1	m	•	57	36	-
	Paris ...	30.34	46	E	2	b	30.40	+.06	31	31	-5	ENE	1	b	•	b	•	59	30	-
	Brest ...	30.19	59	E	1	b	30.19	.00	55	51	+8	ESE	3	bc	2	b	•	66	47	-
	Lorient ...	30.22	62	E	3	b	30.25	+.04	53	48	+5	E	4	c	5	b	•	66	48	-
	Rochefort ...	30.16	61	ESE	2	b	30.25	+.07	53	50	+5	ESE	3	b	•	b	•	70	46	-
	Belfort ...	30.37	44	E	3	b	30.43	+.06	35	?	-1	W	1	m	•	b	•	53	32	-
	Lyon ...	30.38	49	WNW	1	b	30.46	+.10	42	42	+9	W	1	m	•	b	•	57	33	-
	Nice ...	30.33	57	SW	1	b	30.37	+.13	50	45	-9	ENE	2	b	2	b	•	70	50	-
	Perpignan ...	30.33	57	S	0	o	30.38	+.13	56	56	-1	S	0	o	•	o	•	60	53	0.24
	Biarritz ...	30.06	67	E	4	bc	30.16	+.19	59	56	+9	SE	1	c	2	bc	•	72	50	-
SPAN. PEN.	Corunna ...														•		•			
	Lisbon ...	30.01	68	SW	2	bc	30.19	+.24	66	64	+4	ESE	2	bc	•	bc	•	73	63	-
	Azores (P. Delgada)	29.74	62	WSW	3	b	29.78	+.08	61	58	+1	SE	4	o	4	b	•	66	59	0.08

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 6.1 hrs.

WEATHER CHARTS

FOR Saturday, 21st October, 1899.

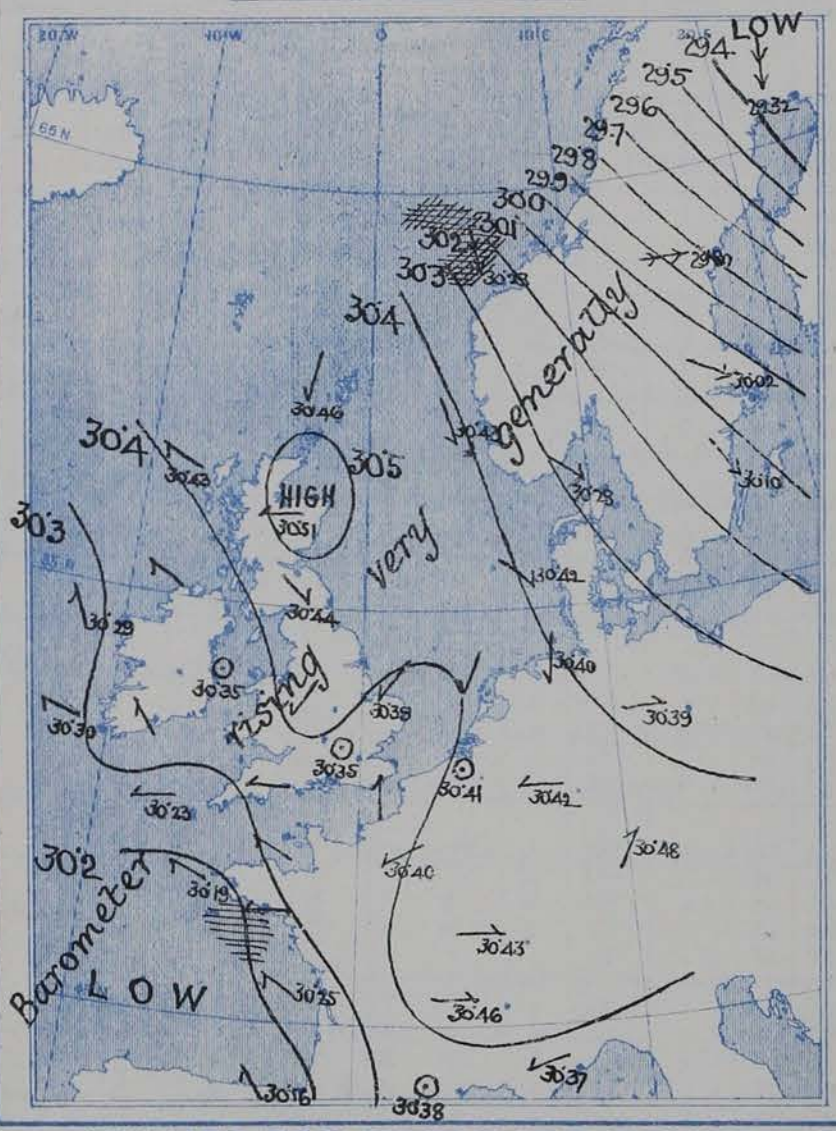
BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 : *Force 5 to 7* : } Calm⊙
Force 8 to 10 : *Force 1 to 4* : }

SEA.—Rough : *High*

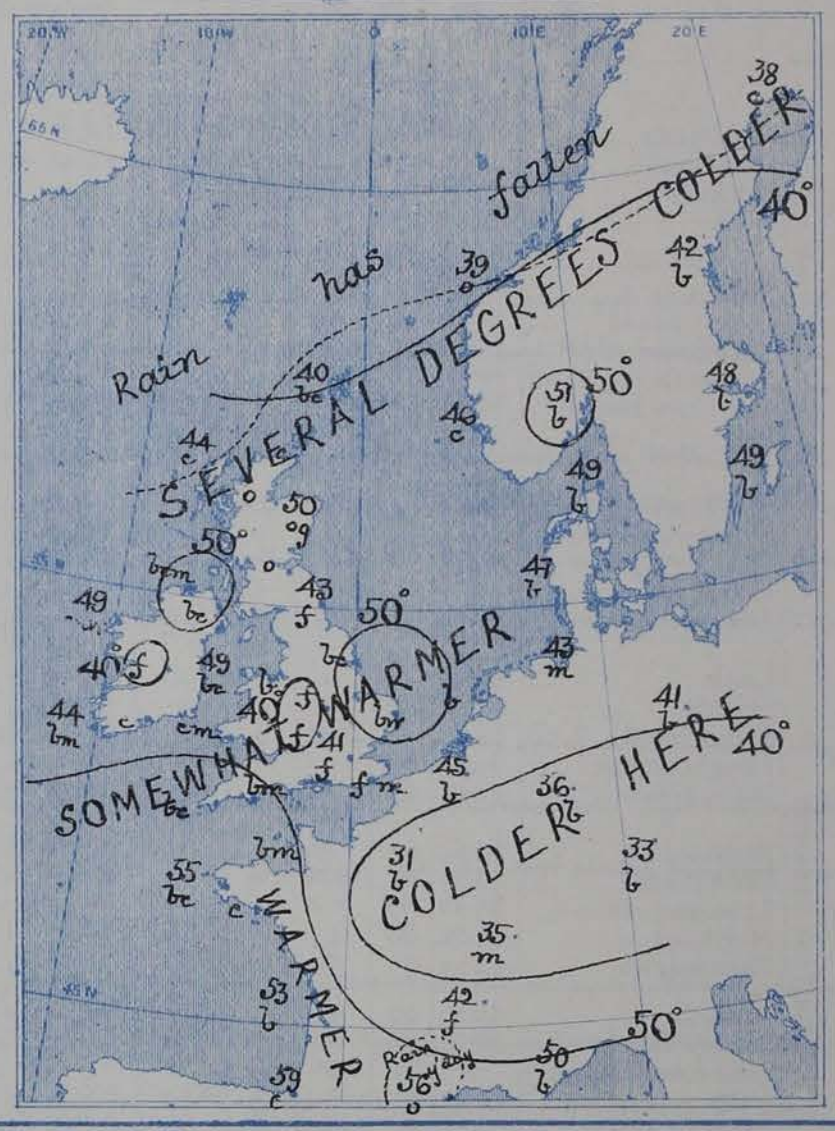


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR, 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 ins: and upwards in the northeast of Scotland; 30·3 ins: and upwards in an anticyclone covering the greater part of Western and Central Europe.
Lowest, 29·4 ins: in a deep depression moving eastwards across Lapland.
Gradients slight generally, but rather steep over Sweden and the northern parts of Norway.
Barometer rising generally.

TEMPERATURE

Highest, 59° at Biarritz, 57° at Scilly, 56° at Jersey and Perpignan, and 55° at Roche Point and Brest.
Lowest, 31° at Paris and 33° at Munich; (2) 34° at Oxford, and 37° at Loughborough; (3) 38° at Haparanda.
During yesterday the thermometer rose to 60° and upwards in many parts of Great Britain, to 65° at Aberdeen. Frost occurred at night in several parts of the same districts.

WIND

Light to moderate from the E.ly or SE.ly over the greater part of our Islands and France, but calm or variable in the southeast of England and also in the south of France.
Strong to a gale from the NW.ly or N.ly in Scandinavia, and light to moderate from the same quarter in Denmark and North Germany.

WEATHER

Fair or fine over Western Europe as a whole, but foggy in many parts of England and also in Central Ireland.
Cloudy or dull in the east of Scotland and the west of Norway.
Slight rain fell yesterday in the Hebrides and the northern parts of Scandinavia, as well as at Perpignan, but in all other parts of our area the weather remained dry. Lunar halos were seen last night in the south of Ireland and at Holyhead.

SEA

Slight or smooth generally, but high at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday off the Norwegian coast has moved eastwards, and the anticyclone has again spread northwards over the whole of Western Europe. There are at present no signs of any important change in the weather over our Islands.

FORECASTS

For the 24 hours ending at NOON on 22ND OCTOBER 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	Light breezes, chiefly E.ly; fair generally, but some mist or fog.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Same as No. 5.
5 ENGLAND SOUTH	Variable or E.ly airs; fair in places, but mostly foggy or misty.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 0 and 1.
8 ENGLAND S.W.	E.ly winds, light or moderate; fair generally.
9 IRELAND NORTH 10 IRELAND SOUTH	E.ly and SE.ly winds, moderate; fair generally, but some mist or fog.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·23	55	52	SW	2	m	3
Sumburgh Head	30·15	50	48	WSW	1	0	6
Stornoway... ...	30·29	52	53	NW	3	0	3
Aberdeen	30·29	62	53	ESE	1	b	2
Shields	30·32	60	53	SSW	2	f	2
Malin Head ...	30·32	58	55	S	0	b	1
Blacksod Pt.. ...	30·28	55	52	NE	2	b	1
Holyhead	30·33	57	54	S	0	bc	0

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA
Valencia	30·25	57	52	WNW	1	bm	3
Scilly	30·21	59	55	E	4	b	3
Jersey	30·27	59	52	E	3	bc	3
Portland Bill ...	30·30	57	54	E	4	cm	4
Dungeness ...	30·32	58	55	ENE	2	bc	2
London (Westminster)	30·34	60	51	E	2	bm	*
Yarmouth ...	30·38	56	54	E	1	b	2
Rochefort ...	30·16	70	59	ESE	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over eastern, central, and southern Europe as a whole, but foggy over the eastern and central parts of England, as well as at one or two of the Continental stations. Dull in the extreme north of Scotland, and also over the greater part of Russia and Scandinavia; rain falling at Stornoway, Bodö, Kiev, and Nicoliff. Sky clearing temporarily over England later; no important change occurring elsewhere.

Temperature fallen in most parts of Western and Southern Europe, but risen elsewhere. Morning readings highest 74° at Malta, 71° at Algiers, and 70° at Tunis; above 65° at most of the Mediterranean stations. Lowest (1) 27° at Moscow, 28° at Hermanstadt, and 30° at Kharkov; (2) 32° at Oxford, 33° at Loughborough, and 34° at Leith. Rising during day to 60° and upwards in many parts of Great Britain and to 65° at Aberdeen; exceeding 65° in the west and south of France, and reaching 72° at Biarritz and 73° at Lisbon. Fog occurring over Great Britain at night.

Wind E. (SE to NE) over the south of our Islands, and also over France, Spain, Western Germany, and northern Italy, and fresh in force on our own southwest coasts. SW or W over the northern parts of our Islands and the Continent, and strong to a gale in force in the Shetlands and west of Norway; W or NW over the Baltic and eastern Germany, calm or variable over Austria and the south of Russia; N over Greece and southern Italy. No important change occurring over Western Europe during day.

Barometer highest 30·5 ins. and upwards over Austria and the southern parts of Germany; 30·2 ins. and upwards in an anticyclone embracing all but the northern and extreme southwestern parts of Europe. Lowest, 29·5 ins. and less in a large and rather deep depression with its centre off the northern parts of the Norwegian coast. Depression subsequently moving eastwards across the north of Scandinavia, and barometer rising briskly in Norway and the north of Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 22nd October 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	30·06	23	N	2	b	30·13	+ ·81	25	23	− 13	NW	2	b	•	b	•	43	23	—
	Hernösand	30·33	34	2	0	b	30·38	+ ·58	32	30	− 10	2	0	o	•	b	•	57	19	—
	Stockholm	30·37	39	NW	6	b	30·51	+ ·49	32	30	− 16	WSW	2	b	•	b	•	52	32	—
	Wisby	30·36	45	NNW	8	b	30·53	+ ·43	39	35	− 10	N	4	b	•	b	•	50	37	—
	Karlstad	30·50	36	NNE	2	b	30·52	+ ·37	32	30	− 12	NNE	2	b	•	b	•	•	•	—
	Bodö																•			
	Christiansund ...																•			
	Skudesnaes ...	30·54	41	NE	2	b	30·46	+ ·03	44	41	− 2	S	2	c	2	b	•	49	37	
	Færder (X'iania Fjord)	30·47	47	NE	4	b	30·45	+ ·22	46	41	− 5	SSE	4	c	2	b	•	54	41	—
	The Scaw (Skagen)	30·45	49	E	2	b	30·48	+ ·20	48	46	− 1	S	3	c	0	b	•	52	46	—
	Fanö	30·51	43	2	0	c	30·51	+ ·09	40	39	− 7	SSW	2	f	•	c	•	54	39	—
BRITISH ISLANDS	Sumburgh Head ...	30·47	46	SE	2	o	30·19	− ·27	50	50	+ 10	SW	1	o	4	bc, o	•	50	39	—
	Stornoway	30·34	48	2	0	o	30·21	− ·22	49	48	+ 5	SW	3	c	3	c, o	2·5	54	37	—
	Wick	30·42	52	SE	3	o	30·25	− ·25	46	44	− 1	W	1	bc	1	o	•	56	45	—
	Nairn	30·38	47	2	0	b	30·25	− ·22	38	35	− 11	W	1	bm	1	b	•	62	29	—
	Aberdeen	30·46	50	SSE	3	og	30·28	− ·23	46	43	− 4	SW	3	bw	2	bc, o	1·0	53	44	—
	Leith	30·42	49	SE	2	b	30·33	− ·14	39	38	− 10	SE	1	m	•	b	•	56	35	—
	Shields	30·45	51	E	3	o	30·36	− ·08	45	45	+ 2	SSW	3	om	2	f, o, f	•	52	42	—
	Spurn Head ...	30·42	52	E	3	c	30·39	− ·03	47	46	− 6	SW	1	f	4	c	•	60	43	—
	Loughborough ...	30·46	45	NE	1	f	30·44	·00	42	42	+ 5	SE	1	of	•	of, g	•	46	37	0·01
	Malin Head ...	30·31	53	SE	3	bcm	30·30	− ·03	48	48	− 2	SSE	2	cm	1	bc	•	57	47	—
	Blacksod Pt. ...	30·28	47	W	1	m	30·30	+ ·01	50	49	+ 1	2	0	m	•	m	•	56	49	—
	Donaghadee ...	30·37	54	SE	4	b	30·34	− ·05	51	50	− 1	S	3	f	3	b	•	55	42	—
	Liverpool (Bidston) ...	30·41	49	SE	3	m	30·37	− ·03	43	43	0	ESE	3	f	?	m	•	57	42	—
	Holyhead	30·36	54	2	0	bcm	30·36	+ ·01	51	48	+ 2	2	0	bc	0	b, bc	•	61	46	—
	Parsonstown ...	30·38	49	SE	1	b	30·33	·00	50	49	+ 12	SE	1	of	•	b	7·7	59	37	—
	Valencia	30·30	54	E	2	om	30·33	+ ·03	44	43	0	E	2	c	3	bm, o	6·3	59	42	—
	Roche's Point ...	30·32	53	SE	3	cm	30·37	+ ·06	54	53	− 1	NE	2	m	3	c	•	58	47	—
	Pembroke (St. Ann's Hd.)	30·34	55	ESE	3	bc	30·34	+ ·03	52	51	+ 6	ESE	3	bcm	2	bc	6·9	57	48	—
	Scilly	30·28	59	ESE	3	cmw	30·33	+ ·10	55	54	− 2	E	1	bcm	1	c	7·0	60	54	0·01
	Jersey (St. Aubin's) ...	30·35	61	2	0	bcm	30·39	+ ·05	59	55	+ 3	ENE	1	bmw	1	bc	•	67	48	—
	Portland Bill ...	30·39	56	E	4	c	30·39	+ ·06	55	55	+ 2	E	3	cm	3	c	•	59	50	—
	Dungeness	30·38	54	SE	1	bc	30·38	+ ·01	45	44	+ 5	NE	2	f	1	b, bc, f	•	60	39	0·01
	London (Brixton) ...	30·42	42	2	0	f	30·43	+ ·08	44	44	+ 3	2	0	f	•	fg	0·0	44	41	—
	Oxford	30·44	42	2	0	f	30·43	+ ·01	41	41	+ 7	ENE	1	f	•	f	•	47	34	—
	Yarmouth	30·40	53	ENE	2	b	30·40	+ ·01	41	40	− 12	E	1	bof	2	fb	•	56	37	—
GERMANY	Cuxhaven	30·45	48	N	1	b	30·48	+ ·08	41	41	− 2	E	1	f	•	b	•	50	39	—
	Berlin	30·47	45	NW	3	o	30·54	+ ·15	46	44	+ 5	2	0	o	•	o	•	55	41	—
	Wiesbaden	•	•	•	•	•	30·48	+ ·06	33	32	− 3	2	0	o	•	•	•	52	32	—
	Munich	30·49	42	SW	1	b	30·52	+ ·04	35	34	+ 2	2	0	b	•	b	•	55	32	—
NETHERLANDS	The Helder ...	30·45	51	ENE	2	c	30·45	+ ·04	42	42	− 8	ESE	1	f	0	c	•	54	42	—
	Brussels	•	•	•	•	•	30·44	+ ·03	43	43	− 2	ESE	1	f	•	b	•	59	37	—
	C. Gris Nez ...	30·36	50	E	1	m	30·38	+ ·05	48	45	+ 9	ESE	1	m	0	m	•	57	41	—
	Paris	30·40	52	ENE	2	b	30·42	+ ·02	36	36	+ 5	SW	1	m	•	b	•	66	31	—
	Brest	30·24	60	SSE	1	bc	30·34	+ ·15	57	57	+ 2	SE	1	m	2	bc	•	66	52	—
FRANCE &	Lorient	30·32	60	SE	4	c	30·36	+ ·11	48	46	− 5	E	1	m	5	c	•	66	46	—
	Rochefort	30·30	64	SE	1	bc	30·34	+ ·09	56	54	+ 3	SE	2	bc	•	bc	•	73	50	—
	Belfort	30·42	53	NNE	2	b	30·46	+ ·03	40	39	+ 5	2	0	m	•	b	•	63	35	—
	Lyons	30·43	54	2	0	b	30·46	·00	41	41	− 1	N	1	f	•	b	•	64	40	—
	Nice	30·38	58	SW	1	b	30·38	+ ·01	54	48	+ 4	2	0	b	1	b	•	68	50	—
	Perpignan	30·39	61	2	0	o	30·39	+ ·01	55	54	− 1	SW	1	b	•	o	•	67	54	—
	Biarritz	30·23	75	2	0	b	30·26	+ ·10	67	61	+ 8	2	0	b	2	b	•	79	57	—
SPAN. PEN.	Corunna	30·23	79	SE	1	b	30·32	+ ·16	64	59	− 2	E	3	b	2	b	•	81	59	—
	Lisbon	30·29	68	WSW	3	b	30·32	+ ·13	62	62	− 4	NNE	3	o	•	b	•	75	61	—
	Azores (P. Delgada)	29·89	63	S	4	o	29·92	+ ·14	60	58	− 1	N	2	bc	2	o	•	68	57	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 2·4 *hrs.*

WEATHER CHARTS

FOR Sunday, 22nd October, 1899.

BAROMETER, WIND AND SEA.

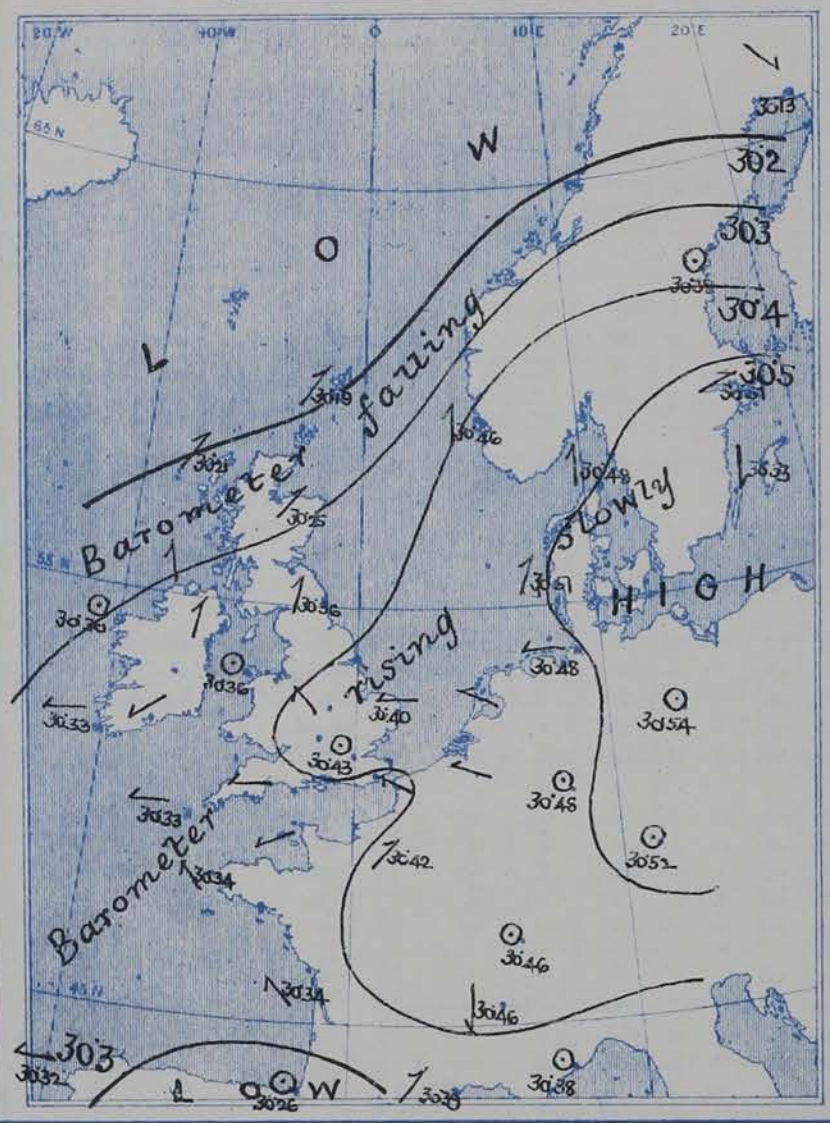
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

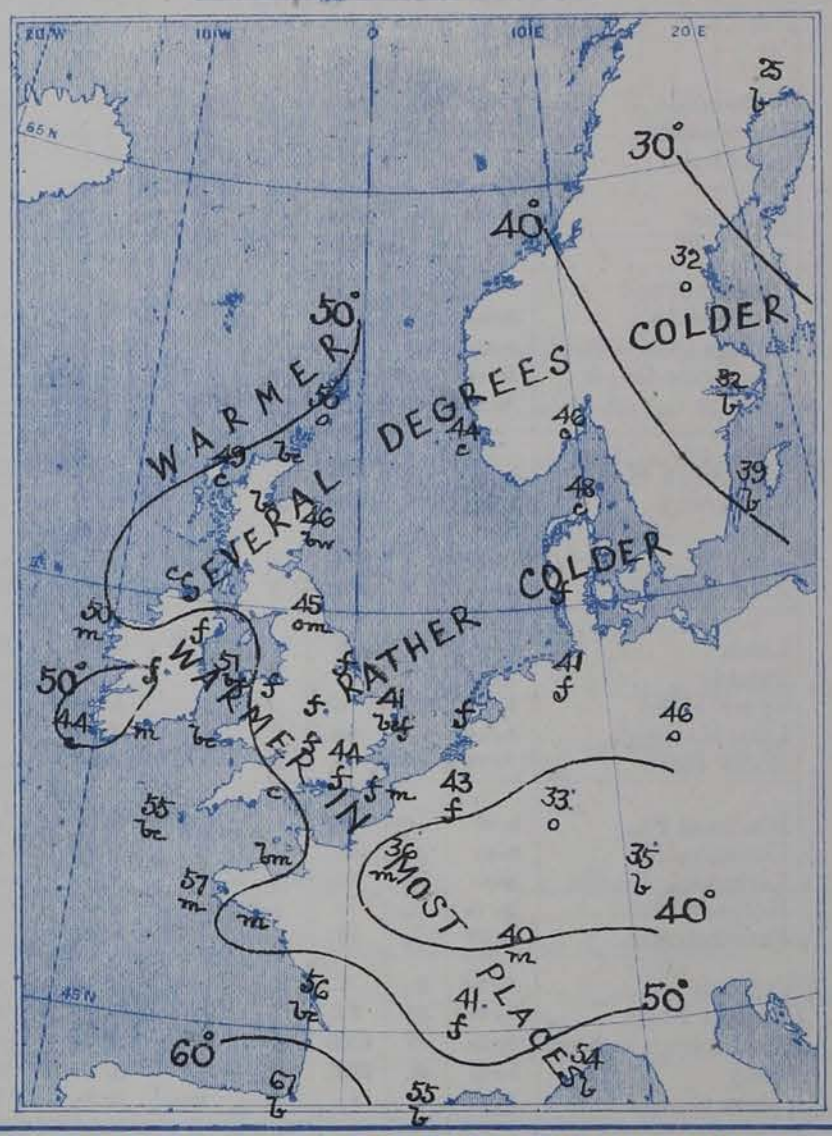


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF OCTOBER.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 ins. and upwards over Denmark, Germany, and the south of Sweden; 30·2 ins. and upwards in an anticyclone embracing the whole of our area.

Lowest, 30·13 ins. at Haparanda; 30·19 ins. at Stornoway (Rad). The reports from Bodö and Christiansund have not arrived.

Gradients slight. Barometer falling in Norway and the northern parts of Great Britain, but rising elsewhere.

TEMPERATURE

Highest, 67° at Biarritz, 64° at Coruña, 62° at Lisbon, 59° at Jersey and 57° at Brest.

Lowest, (1) 25° at Haparanda, and 32° at Hernösand and Karlstad; (2) 33° at Wiesbaden and 35° at Munich; lowest in our Islands 38° at Nairn.

During yesterday the thermometer rose to between 55° and 60° over the greater part of the United Kingdom to 62° at Nairn, and to 67° at Jersey. Over the central parts of England however, where fog prevailed all day it did not reach 50° and in London only rose to 44°.

WIND

Light from the E.ly (SE to NE) over the southern parts of the United Kingdom, the Netherlands and the north and west of France, calm or variable in Germany and the south of France.

Light from the S.ly or SW.ly in the northern parts of our Islands and also in Denmark and the south of Norway; W. to N. in Sweden.

WEATHER

Fair or fine over Western Europe as a whole, but foggy over the eastern and central parts of England and also over Denmark the Netherlands and Central France.

No rain fell yesterday in any part of our area, but at some of the English stations there was a slight deposit in the guage arising from wet fogs.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 23rd OCTOBER, 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·49	49	42	N	6	b	2
Sumburgh Head	30·48	46	43	E	1	bc	4
Stornoway... ...	30·36	53	51	S	3	c	3
Aberdeen	30·49	52	48	SE	3	bc	4
Shields	30·47	50	49	E	2	o	2
Malin Head ...	30·31	57	54	ESE	3	bem	2
Blacksod Pt.. ...	30·28	56	51	? S	2	m	1
Holyhead	30·35	59	54	SE	1	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·29	59	54	SSE	3	bm	3
Scilly	30·27	60	57	ESE	4	c	2
Jersey	30·35	65	53	SE	3	bc	3
Portland Bill ...	30·37	59	57	ESE	4	bem	3
Dungeness ...	30·37	59	57	SE	1	b	1
London (Westminster)	30·40	47	45	2	0	f	*
Yarmouth ...	30·40	56	53	ENE	3	b	2
Rochefort ...	30·30	73	68	SE	2	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over Europe as a whole, but foggy in many parts of England and also in Central Ireland. Dull in the east of Scotland, the west of Norway, and many parts of Russia, with rain at Kuopio, and snow at Archangel. No important change occurring later.

Temperature rises in most parts of western and central Europe, but falls several degrees in the north of Scotland, and to a less extent in Scandinavia and Denmark. Morning readings highest 75° at La Calle and Sfax, and 72° at Tunis and Malta; above 65° at many of the Mediterranean and Spanish coast stations. Lowest (1) 27° at Kharkov and 29° at Moscow; (2) 31° at Paris and 33° at Munich; (3) 34° at Oxford and 37° at Loughborough. Rising during day to between 55° and 60° in many parts of the United Kingdom, and to 67° at Jersey, but remaining below 50° over Central England and only reaching 44° in London. Exceeding 65° in France and reaching 79° at Biarritz and 81° at Corunna.

Wind light to moderate from the E^ly or SE^ly over the greater part of our Islands, France, and the Spanish Peninsula, but calm or variable in the southeast of England. Strong to a gale from the NW^ly over Finland and Scandinavia, and light or moderate from the same quarter in Denmark and North Germany; S^ly or SW^ly over northern and central Russia, with a gale at Archangel. Variable or light from the SW^ly over Austria and South Germany. N^ly or NW^ly in Italy. Wind moderating later in Scandinavia, no important change occurring elsewhere.

Barometer highest 30·5 ins. and upwards in the northeast of Scotland; 30·3 ins. and upwards in an anticyclone embracing the greater part of western, central, and southern Europe. Lowest 29·2 ins. and less, in a large and deep depression with its centre over Lapland. Depression subsequently moving eastwards, and barometer rising briskly in Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Monday 23rd October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.65	39	SW	4	s	29.67	−.46	28	?	+ 3	W	2	o	•	s	•	36	19	0.08
	Hernösand	29.85	39	NW	8	o	29.72	−.66	46	41	+ 14	NW	4	o	•	o	•	46	28	—
	Stockholm	30.15	41	SW	2	c	29.92	−.59	43	41	+ 11	WSW	2	bc	•	c	•	43	30	—
	Wisby	30.28	44	WSW	4	b	30.01	−.52	46	44	+ 7	WNW	6	o	•	b	•	46	37	—
	Karlstad	30.11	34	SW	4	o	29.95	−.57	42	40	+ 10	SW	2	bc	•	o	•	•	•	—
	Bodö																•			
	Christiansund ...	29.87	52	W	10	r	29.82		46	45		W	5	r	6	r	•	52	43	0.47
	Skudesnaes ...	30.24	50	SSW	4	o	30.07	−.39	50	48	+ 6	SW	4	o	2	o	•	50	43	•
	Færder (X'iania Fjord)	30.12	49	SW	6	o	29.96	−.49	48	45	+ 2	W	4	o	3	o	•	50	46	—
	The Scaw (Skagen)	30.24	48	W	4	o	30.06	−.42	50	48	+ 2	W	4	m	1	o	•	52	48	—
	Fanö	30.32	48	2	o	c	30.23	−.28	50	47	+ 10	SW	1	c	•	c	•	50	39	—
BRITISH ISLANDS	Sumburgh Head ...	30.08	51	W	3	m	29.92	−.27	50	49	0	W	3	o	4	m	•	52	48	0.01
	Stornoway	30.19	52	W	3	o	30.01	−.20	52	50	+ 3	WSW	4	c	4	o	1.8	56	46	—
	Wick	30.19	52	W	2	bc	30.04	−.21	50	48	+ 4	W	2	o	1	bc	•	56	40	—
	Nairn	30.22	48	2	o	o	30.07	−.18	51	48	+ 13	W	1	c	1	o	•	56	36	—
	Aberdeen	30.22	43	NW	1	b	30.11	−.17	48	44	+ 2	SW	2	cm	2	bm	7.2	57	40	—
	Leith	30.24	48	SE	2	o	30.17	−.16	50	48	+ 11	SW	1	o	•	o	•	51	37	—
	Shields	30.27	52	SW	2	c	30.20	−.16	46	45	+ 1	SW	2	cm	2	cm	•	56	43	—
	Spurn Head ...	30.30	50	SW	1	b	30.21	−.18	50	48	+ 3	NW	3	f	2	b.f	•	55	45	—
	Loughborough ...	30.34	46	SW	1	f	30.28	−.16	39	39	− 3	SW	1	bfw	•	cf.bf	•	50	38	—
	Malin Head ...	30.27	52	SW	2	ogm	30.20	−.10	52	51	+ 4	SW	3	egm	2	ogm	•	54	48	—
	Blacksod Pt. ...	30.31	47	2	o	bc	30.22	−.08	47	46	− 3	2	o	bw	o	bc	•	59	46	—
	Donaghadee ...	30.30	52	SSW	2	c	30.25	−.09	45	44	− 6	SSW	3	c	2	c	•	56	41	—
	Liverpool (Bidston)	30.31	56	2	o	o	30.27	−.10	50	49	+ 7	SW	1	c	?	cm	•	59	43	—
	Holyhead	30.32	56	NW	1	omp	30.28	−.08	56	54	+ 5	2	o	om	o	omp	•	59	48	—
	Parsonstown ...	30.37	53	NW	1	r	30.28	−.05	47	46	− 3	W	1	o	•	b.r	5.0	59	46	0.01
	Valencia	30.30	50	2	o	o	30.27	−.06	55	54	+ 11	2	o	om	2	om	2.5	60	43	—
	Roche's Point ...	30.31	56	N	1	o	30.29	−.08	55	54	+ 1	SE	1	m	2	o	•	58	48	—
	Pembroke (St. Ann's Hd.)	30.34	56	S	3	m	30.27	−.07	55	55	+ 3	2	o	f	2	m	2.8	59	51	—
	Scilly	30.31	56	S	1	f	30.27	−.06	56	56	+ 1	S	1	fw	o	b.f	0.4	59	54	0.02
	Jersey (St. Aubin's) ...	30.34	63	NW	1	bc	30.30	−.09	56	55	− 3	WNW	2	f	2	bc.f	•	66	55	0.01
	Portland Bill ...	30.35	57	E	1	b	30.29	−.10	55	54	0	SW	1	f	2	b.f	•	59	50	—
	Dungeness	30.35	55	ESE	1	m	30.27	−.11	44	44	− 1	NNE	1	f	o	m	•	57	43	0.01
	London (Brixton) ...	30.33	44	2	o	f	30.28	−.15	41	41	− 3	W	1	of	•	fg	0.0	50	39	0.01
	Oxford	30.34	52	S	1	c	30.29	−.14	44	43	+ 3	2	o	f	•	c.f	•	56	38	—
	Yarmouth	30.31	52	SSE	2	bc	30.23	−.17	48	47	+ 7	W	1	bf	2	bcw	•	[illegible]	39	—
GERMANY.	Cuxhaven	30.36	46	SE	2	b	30.25	−.23	41	41	0	S	2	m	•	b	•	46	39	—
	Berlin	30.42	43	SSE	2	b	30.26	−.28	34	33	− 12	S	1	f	•	b	•	50	34	—
	Wiesbaden	•	•	•	•	•	30.34	−.14	34	34	+ 1	2	o	f	•	•	•	48	32	—
	Munich	30.45	41	2	o	b	30.39	−.13	38	36	+ 3	2	o	b	•	b	•	57	34	—
FRANCE & NETHERLANDS.	The Helder ...	30.35	41	2	o	f	30.23	−.22	44	43	+ 2	SSE	1	f	1	f	•	44	41	—
	Brussels	•	•	•	•	•	30.31	−.13	43	43	0	2	o	f	•	f	•	62	43	—
	C. Gris Nez ...	30.34	51	ESE	1	f	30.25	−.13	47	47	− 1	NW	1	f	1	f	•	57	41	—
	Paris †	30.33	50	NE	1	fb	30.37	−.05	37	37	+ 1	ESE	1	f	•	b	•	63	37	—
	Brest †	30.34	56	S	1	m	30.22	−.12	55	54	− 2	E	1	c	1	m	•	63	37	—
	Lorient	30.33	57	W	2	f	30.25	−.08	55	55	+ 7	SE	3	c	2	f	•	66	48	—
	Rochefort	30.28	53	W	1	fb	30.26	−.08	55	54	− 1	E	1	b	•	b	•	75	52	—
	Belfort †	30.30	51	2	o	b	30.36	−.10	41	39	+ 1	2	o	m	•	b	•	63	39	—
	Lyons	30.40	56	WSW	1	b	30.38	−.08	46	46	+ 5	ESE	1	f	•	b	•	63	41	—
	Nice †	30.35	57	2	o	b	30.33	−.05	55	45	+ 1	E	2	b	o	b	•	66	52	—
	Perpignan †	30.34	61	2	o	b	30.31	−.08	55	55	0	2	o	bc	•	b	•	74	53	—
	Biarritz	30.25	67	ENE	3	b	30.17	−.09	66	63	− 1	E	4	c	1	b	•	73	59	—
SPAN. PEN.	Corunna																•			
	Lisbon														•		•			
	Azores (P. Delgada)	30.06	63	NNW	3	c	30.06	+.14	63	59	+ 3	NNW	3	bc	2	c	•	68	59	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

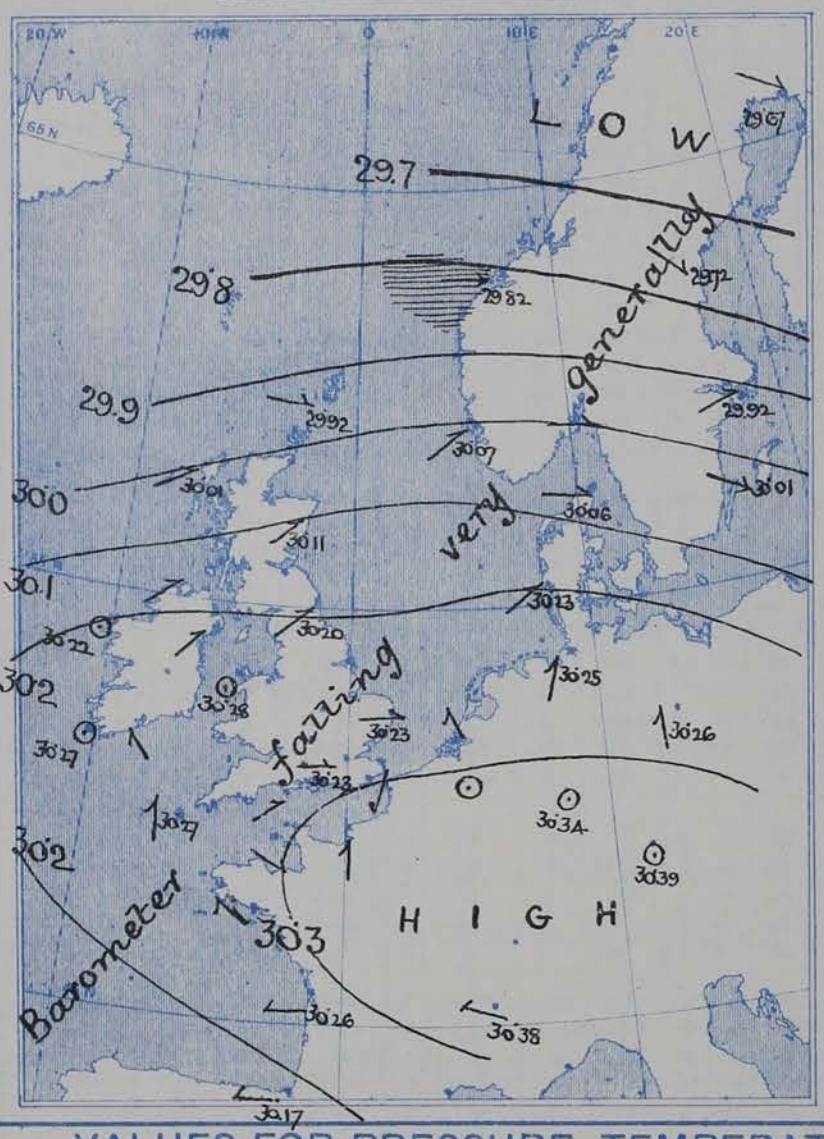
Bright Sunshine yesterday Southport 0·5 hrs.

WEATHER CHARTS

FOR Monday, 23rd October, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 inches and upwards over South Germany, and the northern and central parts of France; 30.1 inches and upwards in an anticyclone covering all but the northern parts of our area.
Lowest 29.4 inches and less in a large depression passing eastwards across the north of Scandinavia.
Gradients slight. Barometer falling generally, briskly in Scandinavia.

TEMPERATURE

Highest 66° at Biarritz, 56° at Holyhead, Scilly and Jersey, and 55° at several stations in the southwest of our Islands and the west of France.
Lowest (1) 28° at Hapatanda. (2) 34° at Berlin and Wiesbaden, lowest in our Islands 39° at Loughborough.
During yesterday the thermometer rose to 55° and upwards over the United Kingdom generally, to 60° at Valencia (Ireland), and to 66° at Jersey. In London it did not exceed 50°.

WIND

Calm or light and variable over the southern parts of our Islands, the Netherlands and Western and Southern Germany; Easterly or Southeasterly in the west of France.
Light to moderate from the Southwestward or Westward on all our more northern coasts, and also in Scandinavia and Denmark.

WEATHER

Foggy over nearly the whole of England the Netherlands Western and Southern Germany and the north of France. Fair or fine in most other parts of Western Europe, but dull at several of the Irish, Scotch and Scandinavian stations with rain at Christiansund.
Slight rain fell yesterday at one or two of our western and northern stations, while in the south of England the wet fogs caused a measurable amount of water in the gauge. Snow was reported at Hapatanda.

SEA

Smooth on most of our coasts, but moderate off the north of Scotland, and rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is moving slowly southwards, and a large depression is passing eastwards across Scandinavia. Some extension of the southwesterly and Westerly current is probable, but at present no material change in the weather is likely over our Islands as a whole.

FORECASTS

For the 24 hours ending at NOON on OCTOBER 24TH 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Southwesterly and Westerly winds, freshening; dull, some rain.
1 SCOTLAND EAST	Southwesterly and Westerly winds, light; fair generally, but cloudy and misty in places.
2 ENGLAND N.E.	
3 ENGLAND EAST	Variable or Westerly airs, foggy or misty in most places.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos: 1 and 2.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Calms or variable airs, foggy or misty in most places.
9 IRELAND NORTH	Light breezes chiefly Southerly, fair generally, but cloudy and misty in places.
10 IRELAND SOUTH	
WARNINGS	None Issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·36	49	46	S	4	o	3
Sumburgh Head							
Stornoway... ...	30·20	55	49	WNW	4	o	4
Aberdeen							
Shields							
Malin Head ...	30·29	52	51	WSW	2	o	3
Blacksod Pt.. ...	30·29	56	50	2	o	bc	o
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·36	64	59	ESE	2	b	2
Portland Bill ...							
Dungeness ...	30·36	56	55	NE	2	m	1
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·36	73	66	SSE	2	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM OCTOBER 15TH TO OCTOBER 21ST 1899.

At the commencement of the week the large anticyclone which had previously spread over Western Europe from the Atlantic moved away slowly to the eastward, while a well marked depression advanced over the Bay of Biscay from Spain and ultimately shifted our our southwestern and western coasts in a northnorthwesterly direction. The disturbance caused rain in the latter regions, an Easterly gale in the Channel, and strong Southeasterly winds in many other parts of our Islands. As it passed away the Continental anticyclone again extended westwards over all the more western countries, and for the remainder of the week the weather in our Islands was mostly fair and dry, with night frosts in all the more central districts, and with a good deal of fog over England, the wind being Easterly in the southern districts, but Southerly or Southwesterly in the north.

Over Northern Europe the weather on the 20th and 21st was influenced by a deep depression the centre of which moved Eastwards across the north of Scandinavia. The progress of this disturbance was marked by heavy falls of rain in several parts of Scandinavia, and northern Russia, and by strong gales from Southwest veering to Northwest. Quite at the close of the week the depression was passing away, and the anticyclone was spreading northwards again over the whole of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain, f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder, u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 24th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.73	19	N	2	b	29.50	− .17	19	18	− 9	NE	2	o	*	b	*	32	19	—
	Hernösand	29.35	44	E	0	o	29.05	− .67	36	36	− 10	E	0	f	*	o	*	48	34	—
	Stockholm	29.72	44	SW	2	b	29.30	− .62	46	44	+ 3	SW	2	o	*	b	*	50	41	—
	Wisby	29.82	48	W	4	o	29.48	− .53	47	46	+ 1	W	6	o	*	o	*	48	39	—
	Karlstad	29.69	46	SW	2	b	29.27	− .68	48	46	+ 6	SW	6	b	*	b	*	*	*	—
	Bodö	29.50	33	E	6	o	29.31		29	27		E	7	o	2	o	*	37	25	—
	Christiansund ...	29.34	52	W	9	r	29.15	− .67	41	40	− 5	N	9	r	7	r	*	52	41	0.47
	Skudesnaes ...	29.84	50	NW	6	o	29.69	− .38	43	41	− 7	NW	10	r	5	*	*	52	39	*
	Færder (X'iania Fjord)	29.72	50	WSW	5	b	29.38	− .58	48	41	0	W	6	b	4	b	*	52	46	—
	The Scaw (Skagen)	29.84	50	WNW	6	m	29.56	− .50	48	42	− 2	NW	8	b	3	m	*	52	48	—
	Fanö	30.02	52	SW	3	o	29.91	− .32	51	48	+ 1	W	4	c	*	o	*	52	50	—
BRITISH ISLANDS	Sumburgh Head ...	29.66	52	W	4	o	30.04	+ .12	40	36	− 10	NW	7	bc	6	o	*	53	37	0.05
	Stornoway	29.95	50	NW	5	d	30.25	+ .24	40	39	− 12	NNW	2	c	2	o, d	0.0	55	36	0.03
	Wick	29.91	48	W	3	o	30.20	+ .16	42	40	− 8	W	4	bc	1	o	*	56	39	0.01
	Nairn	29.90	55	W	2	c	30.25	+ .18	38	36	− 13	W	1	b	1	c	*	58	36	0.01
	Aberdeen	29.93	54	SW	3	c	30.23	+ .12	43	40	− 5	W	3	bc	2	bc, c, p	2.6	59	41	0.02
	Leith	30.05	52	W	3	o	30.26	+ .09	43	41	− 7	W	1	bc	*	o	*	55	41	—
	Shields	30.13	52	SW	1	bc	30.21	+ .01	47	45	+ 1	NW	2	c	2	c, bc	*	56	44	—
	Spurn Head ...	30.18	51	WSW	3	f	30.19	− .02	51	50	+ 1	WSW	4	c	2	f, m	*	54	46	—
	Loughborough ...	30.23	52	W	2	c	30.32	+ .04	40	40	+ 1	E	0	o f w	*	om, c, bf	*	54	35	—
	Malin Head ...	30.15	54	WSW	4	o	30.29	+ .09	49	46	− 3	N	2	bc	2	om	*	55	49	0.04
	Blacksod Pt. ...	30.25	54	WSW	2	bc	30.35	+ .13	54	53	+ 7	WSW	2	c	1	c, bc	*	57	?47	—
	Donaghadee ...	30.18	55	NW	3	cgm	30.30	+ .05	49	47	+ 4	NNW	3	cg	2	cgm	*	56	44	0.02
	Liverpool (Bidston)	30.25	50	WSW	1	b	30.29	+ .02	52	51	+ 2	WSW	4	o	3	b	*	55	47	—
	Holyhead	30.24	52	SW	1	bm	30.31	+ .03	53	52	− 3	WNW	2	c	1	bc, bm	*	56	49	—
	Parsonstown ...	30.27	50	NW	1	b	30.37	+ .09	46	45	− 1	SW	1	f	*	b	4.6	59	40	—
	Valencia	30.28	54	NW	1	cm	30.35	+ .08	44	43	− 11	ENE	1	bm	2	op, cm	0.1	59	39	0.08
	Roche's Point ...	30.28	55	E	0	b	30.36	+ .07	46	46	− 9	NNE	3	f	3	b, f	*	58	41	—
	Pembroke (St. Ann's Hd.)	30.24	58	NW	2	o	30.34	+ .07	56	56	+ 1	E	2	f	2	o	0.0	59	55	0.03
	Scilly	30.24	56	ENE	1	om	30.32	+ .05	56	54	0	ENE	2	c	0	rf, om	0.0	60	53	0.03
	Jersey (St. Aubin's) ...	30.25	58	E	0	f	30.34	+ .04	58	57	+ 2	NE	1	f	1	f	*	58	55	0.02
	Portland Bill ...	30.25	55	NW	1	o	30.36	+ .07	54	53	− 1	NNE	2	o	2	of, o	*	56	49	—
	Dungeness	30.20	58	W	2	o	30.30	+ .03	42	42	− 2	NNW	1	f	0	c, o	*	60	40	0.01
	London (Brixton) ...	30.23	51	NW	1	cm	30.33	+ .05	47	47	+ 6	W	1	cf	*	gf, mw	0.0	54	40	—
	Oxford	30.26	51	E	0	o	30.35	+ .06	47	47	+ 3	W	1	o	*	f, o, f	*	53	43	—
	Yarmouth	30.18	53	NNE	1	cf	30.22	− .01	48	46	0	W	2	bcm	2	bc, cf	*	55	41	—
GERMANY.	Cuxhaven	30.12	43	SW	2	m	29.98	− .27	48	47	+ 7	WSW	4	o	*	m	*	48	41	—
	Berlin	30.17	41	W	1	o	30.07	− .19	47	46	+ 13	W	3	o	*	o	*	52	34	—
	Wiesbaden	*	*	*	*	*	30.28	− .11	40	39	+ 6	E	0	o	*	*	*	45	34	—
	Munich	30.30	43	SE	2	b	30.29	− .10	47	44	+ 9	W	2	o	*	b	*	59	37	—
FRANCE & NETHERLANDS.	The Helder ...	30.16	52	WSW	1	m	30.13	− .10	54	51	+ 10	WNW	3	o	2	m	*	57	44	—
	Brussels	*	*	*	*	*	30.28	− .03	50	50	+ 7	W	1	f	*	f	*	64	41	—
	C. Gris Nez ...	30.20	55	SW	1	m	30.30	+ .05	52	49	+ 5	NE	1	f	0	m	*	57	46	—
	Paris	30.26	52	SE	1	f	30.32	− .05	48	48	+ 11	N	1	f	*	f	*	68	37	—
	Brest	30.20	63	N	1	c	30.29	+ .07	56	54	+ 1	ENE	1	b	1	c	*	72	50	—
	Lorient	30.22	61	SE	1	c	30.27	− .01	54	?	− 1	E	2	c	2	c	*	72	54	—
	Rochefort	30.20	64	ENE	1	bc	30.22	− .04	55	55	0	WSW	1	b	*	c, bc	*	77	54	—
	Belfort	30.25	55	W	2	b	30.28	− .08	48	48	+ 7	WSW	2	f	*	b	*	65	41	—
	Lyons	30.28	58	NW	1	b	30.33	− .05	48	48	+ 2	WNW	1	f	*	b	*	66	37	—
	Nice	30.30	54	E	2	b	30.28	− .05	51	47	− 4	E	1	c	2	b	*	66	50	—
	Perpignan	30.26	62	E	2	o	30.28	− .03	61	61	+ 6	W	1	o	*	o	*	70	55	—
	Biarritz	30.12	73	E	1	o	30.17	.00	65	64	− 1	SSW	2	b	0	o	*	79	63	—
SPAN. PEN.	Corunna																*			
	Lisbon	30.17	66	NE	3	o	30.15	− .07	65	64	0	NE	4	o	*	o	*	73	64	—
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 6·5 *hrs.*

WEATHER CHARTS

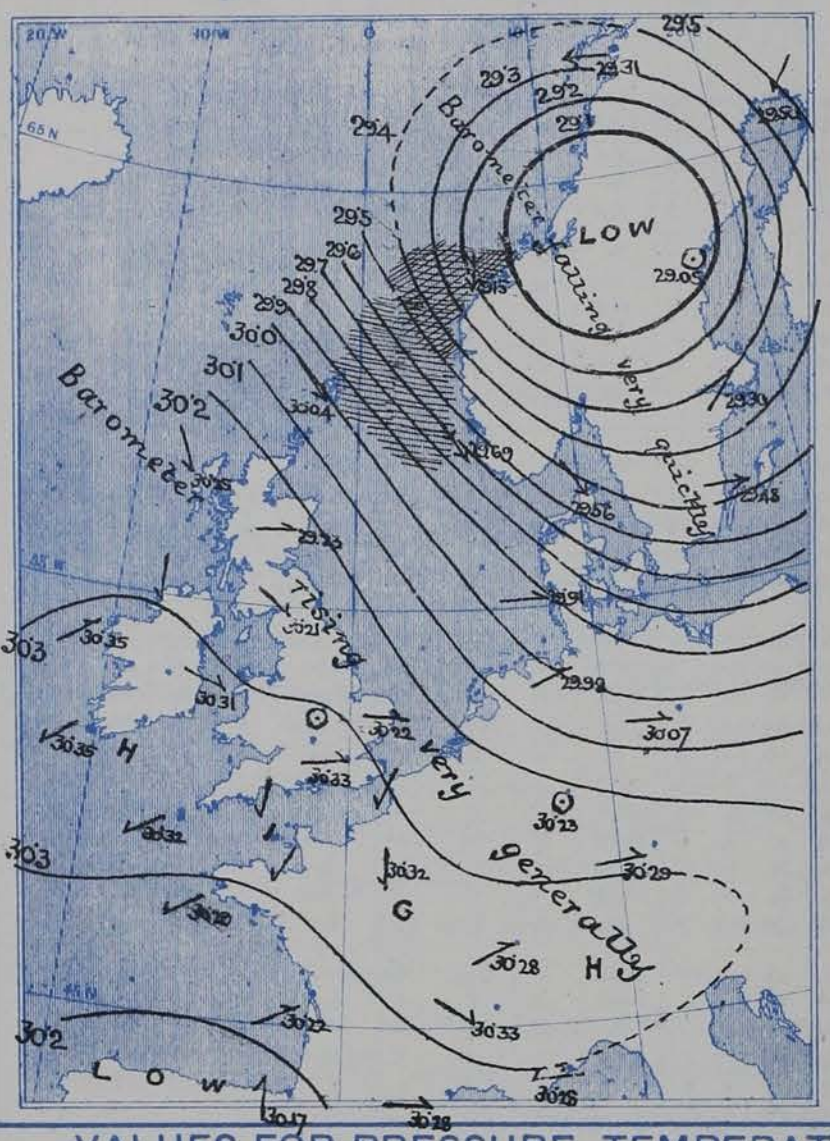
FOR Tuesday, 24th October, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and more to 30.1 ins. over the British Islands and France.
Lowest about 29.0 ins. (or less) over the central parts of Scandinavia.
Gradients slight over our Islands and France, steep over Scandinavia & the E^rn shores of the North Sea.
Barometer rising over our Islands, most in the NW., falling fast over Norway and Sweden.

TEMPERATURE

Highest 65° at Biarritz, 58° at Jersey, 56° to 53° on the coasts of Wales and the SW^rn counties of England.
Lowest (1) 19° at Haparanda, 36° at Hernösand; (2) 38° at Nairn, 40° in the Hebrides and Shetlands; 40° at Loughborough.
It rose during yesterday to between 55° and 60° in many parts of our Islands, but has fallen decidedly again over Scotland during the night – frost has occurred on the ground over the northern parts of Gt. Britain.

WIND

(1) SW^ly to W^ly over the south of Sweden, W^ly to N^ly over Norway, and strong to a gale in force.
(2) W^ly to NW^ly, fresh to light in Scotland, very light and variable over Ireland, England and France, E^ly over the Bay of Biscay and the mouth of the Channel.

WEATHER

Foggy and dull over England and Ireland, fair in Scotland, rainy in Norway; foggy but fair over France.
A very little rain has fallen at most of the Irish and English stations, and 0.47 in. at Christiansund. Bright sunshine yesterday exceeded 6 hrs. at Hastings and Southport, and 4 hrs. at Parsonstown; in London there was none.

SEA

Smooth except in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Foggy anticyclonic weather is again probable, with a fall of temperature.

FORECASTS

For the 24 hours ending at NOON on 25th. OCTOBER 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW^ly winds, fresh to moderate; some rain.
1 SCOTLAND EAST	
2 ENGLAND N.E.	NW^ly and NE^ly breezes, very light; fair, but cooler and foggy.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as No. 0 and 1.
7 ENGLAND N.W.	NW^ly and N^ly breezes, light; fair, foggy at times.
8 ENGLAND S.W.	Calms and NE^ly airs, foggy, cooler.
9 IRELAND NORTH	Same as No. 7.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·00	51	48	W	4	o	2
Sumburgh Head	29·73	53	52	W	4	o	5
Stornoway... ...	29·92	55	54	W	5	o	5
Aberdeen	29·99	54	48	SW	3	bc	2
Shields	30·15	55	50	SW	3	c	2
Malin Head ...	30·17	54	53	WSW	4	c	3
Blacksod Pt.. ...	30·23	56	54	WSW	2	c	1
Holyhead	30·25	56	50	NNW	1	bc	1
Valencia	30·26	59	58	N	0	op	2
Scilly	30·25	57	56	S	1	rf	0
Jersey	30·28	58	57	ESE	1	f	1
Portland Bill ...	30·26	56	55	W	2	of	1
Dungeness ...	30·22	59	57	WNW	2	c	1
London (Westminster)	30·22	55	52	NW	1	bf	*
Yarmouth ...	30·18	55	53	NNE	1	bcf	2
Rochefort ...	30·22	76	69	ESE	1	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair but foggy all over SE^rn, central, S^rn and W^rn Europe; fog very humid in places; more cloudy over N^rn Europe, and rainy at Christiansund, a little rain later in many parts of Ireland and Scotland, and nearly half an inch at Christiansund; fog decreasing temporarily in several places.

Temperature rising fast over N^rn Europe. Morning readings highest – 72° to 64° over the S^rn side of the Mediterranean, 66° at Biarritz, 56° at Scilly and at Holyhead, 55° in the S. of Ireland, 51° at Nairn. Lowest (1) 22° at Moscow, 24° at Archangel, 33° at St. Petersburg; (2) 29° to 35° over central and southeastern Europe; (3) 39° at Loughborough. Rising later to between 55° and 60° in nearly all parts of our Islands, to 68° at Paris, 77° at Ile d'Aix, and 79° at Biarritz. Falling again in Scotland at night.

Wind very light and variable (anticyclonic) over all the southern half of Europe including Ireland, England and the N^rn parts of Germany, W^ly to SW^ly over Scotland, Denmark, and northern Europe and inclined to increase in force. A strong SW^ly to NW^ly wind setting in over the northern countries later, with unsettled weather.

Barometer highest 30.4 ins. and more all over SE^rn Europe, and exceeding 30.2 ins. over Ireland, England and N. Germany. Lowest 29.5 ins. and less over the N. of Finland, and below 30.0 ins. in the Shetlands. Falling fast later at the Norwegian and Scotch stations as a new depression advanced towards Norway from the NW^wd.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 25th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda														*		*			
	Hernösand														*		*			
	Stockholm														*		*			
	Wisby														*		*			
	Karlstad														*		*	*	*	
	Bodö																*			
	Christiansund ...																*			
	Skudesnaes ...																*			*
	Færder (X'iania Fjord)	29.64	45	nw	7	b	29.99	+.61	41	35	-7	nw	4	b	3	b	*	50	41	-
	The Scaw (Skagen)	29.71	45	nw	8	b	30.02	+.46	44	37	-4	n	8	b	3	b	*	50	43	-
	Fanö	30.00	43	nnw	6	b	30.22	+.31	42	40	-9	nnw	6	bc	*	b	*	51	41	-
BRITISH ISLANDS	Sumburgh Head ...	30.24	40	nw	5	o	30.13	+.09	41	38	+1	s	3	o	5	c.o	*	43	39	-
	Stornoway	30.28	47	sw	3	o	30.01	-.24	52	51	+12	sw	4	o	4	o	1.8	52	39	0.02
	Wick	30.32	45	w	2	o	30.04	-.16	48	46	+6	s	3	o	3	o	*	48	34	-
	Nairn	30.35	41	w	1	c	30.11	-.14	50	48	+12	w	1	bc	1	c	*	50	36	-
	Aberdeen	30.36	39	nw	1	bc	30.18	-.05	44	41	+1	sw	3	ogp	3	bcg.bc	5.8	48	35	0.01
	Leith	30.33	46	s	1	b	30.23	-.03	45	43	+2	se	0	m	*	b	*	54	37	-
	Shields	30.35	46	n	1	bc	30.29	+.08	41	40	-6	sw	3	o	2	bc	*	?57	37	-
	Spurn Head ...	30.34	48	nnw	4	bc	30.35	+.16	47	46	-4	SSW	3	c	3	bc	*	56	45	-
	Loughborough ...	30.36	52	nnw	1	o	30.36	+.04	39	39	-1	se	0	bcmw	*	bc.o.bm	*	60	38	-
	Malin Head ...	30.31	51	SE	1	og	30.12	-.17	52	51	+3	SSW	4	og	2	b.og	*	54	49	-
	Blacksod Pt. ...	30.33	50	w	1	b	30.09	-.26	55	53	+1	s	3	o	2	b	*	57	50	0.02
	Donaghadee* ...	30.33	51	SSE	1	o	30.21	-.09	53	52	+4	SSE	3	o	3	o	*	53	47	0.01
	Liverpool (Bidston)	30.37	49	se	0	c	30.31	+.02	44	44	-8	ESE	2	m	?	b	*	53	40	-
	Holyhead	30.37	51	se	0	b	30.26	-.05	50	48	-3	SE	1	cap	1	c.b	*	56	45	0.01
	Parsonstown ...	30.35	50	sw	1	f	30.16	-.21	54	52	+8	sw	1	c	*	o.f	0.5	54	45	0.01
	Valencia	30.31	56	E	1	c	30.08	-.27	60	57	+16	SE	5	og	4	c	2.4	60	42	0.02
	Roche's Point ...	30.36	55	SE	1	o	30.19	-.17	57	56	+11	s	5	o	4	o	*	57	46	-
	Pembroke (St. Ann's Hd.)	30.34	56	NE	2	b	30.28	-.06	55	53	-1	ESE	4	cg	3	b	7.5	58	55	0.02
	Scilly	30.30	57	E	4	o	30.22	-.10	57	55	+1	SE	4	cw	1	o	0.1	59	54	-
	Jersey (St. Aubin's) ...	30.35	59	ENE	1	bm	30.34	.00	56	53	-2	E	3	bm	3	f.c.bw	*	63	51	-
	Portland Bill ...	30.37	56	NNW	1	b	30.34	-.02	56	55	+2	SE	2	cm	2	b	*	61	50	-
	Dungeness	30.35	52	NNW	1	bc	30.37	+.07	53	52	+11	SSE	3	c	2	c.bcf	*	61	41	0.01
	London (Brixton) ...	30.36	50	nw	1	om	30.37	+.04	48	47	+1	ENE	1	cm	*	cm.o	0.0	60	46	-
	Oxford	30.39	51	w	1	o	30.37	+.02	45	45	-2	sw	1	f	*	c.o	*	59	43	-
	Yarmouth	30.31	50	NNW	2	bc	30.36	+.14	40	39	-8	w	2	bf	3	bc	*	55	38	-
GERMANY.	Cuxhaven	30.08	47	nw	5	b	30.20	+.22	46	42	-2	nw	5	bc	*	b	*	52	43	0.04
	Berlin	29.99	45	w	5	b	30.11	+.04	41	38	-6	WNW	4	bc	*	b	*	54	39	-
	Wiesbaden	*	*	*	*	*	30.40	+.17	39	38	-1	sw	2	b	*	*	*	57	36	-
	Munich	30.30	51	w	4	o	30.37	+.08	45	43	-2	w	5	o	*	o	*	55	43	0.04
FRANCE & NETHERLANDS.	The Helder ...	30.28	50	NNW	3	bc	30.35	+.22	49	44	-5	NNW	2	bc	2	bc	*	55	48	-
	Brussels	*	*	*	*	*	30.41	+.13	43	42	-7	SE	1	b	*	c	*	60	37	-
	C. Gris Nez ...	30.36	54	NE	1	m	30.36	+.06	46	45	-6	SE	2	c	1	m	*	59	43	-
	Paris	30.34	50	se	0	f	30.39	+.07	36	36	-12	NE	2	f	*	f	*	60	35	-
	Brest	30.31	62	NE	2	b	30.22	-.07	55	54	-1	ESE	3	b	2	b	*	70	52	-
	Lorient	30.31	59	ENE	3	b	30.27	.00	53	53	-1	E	4	m	2	b	*	72	52	-
	Rochefort	30.22	66	E	2	bc	30.23	+.01	54	53	-1	E	3	m	*	bc	*	79	52	-
	Belfort	30.27	57	w	2	c	30.35	+.07	42	42	-6	E	1	f	*	c	*	?82	41	-
	Lyons	30.30	57	n	1	b	30.28	-.05	50	49	+2	n	1	b	*	b	*	64	48	-
	Nice	30.21	56	SSW	2	b	30.17	-.11	52	51	+1	E	1	bc	0	b	*	64	50	-
	Perpignan	30.25	60	E	1	c	30.20	-.08	54	52	-7	sw	2	b	*	c	*	68	52	-
	Biarritz	30.16	67	E	2	bc	30.13	-.04	58	57	-7	ESE	2	b	0	bc	*	72	55	-
SPAN. PEN.	Corunna																*			
	Lisbon														*		*			
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next p.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

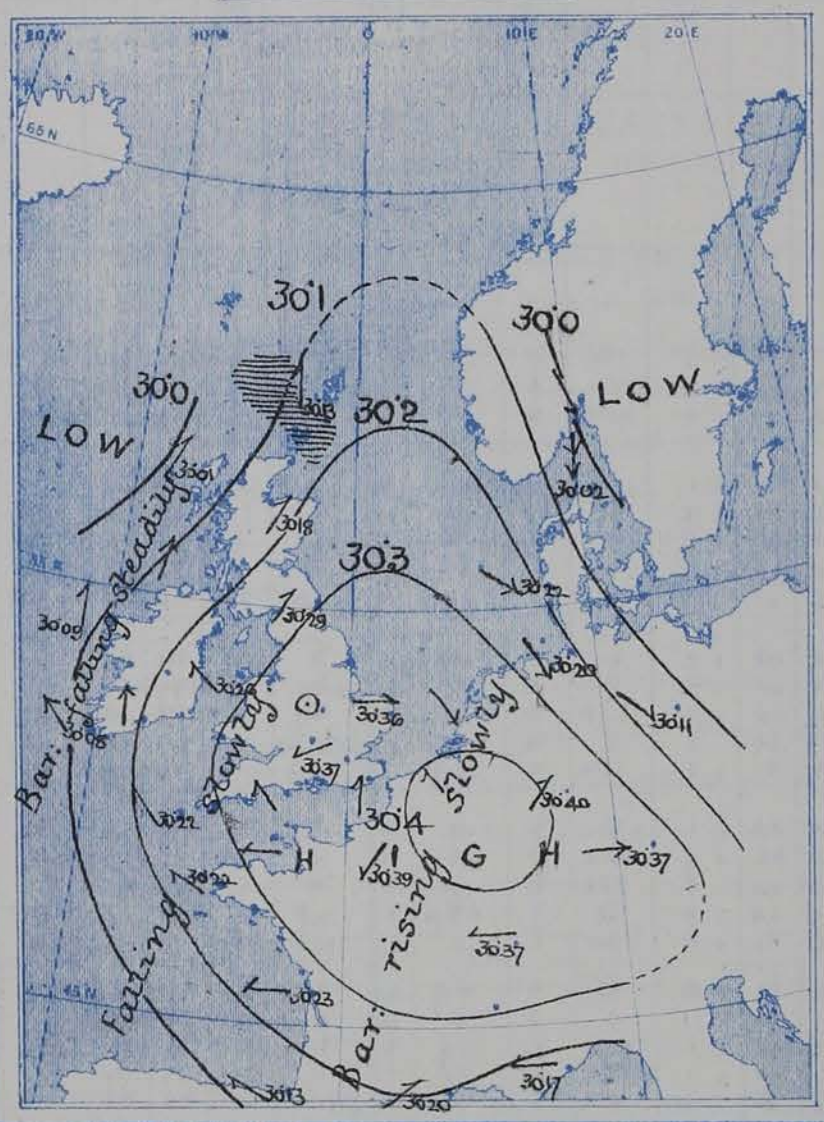
Bright Sunshine yesterday Southport 5.3 *hrs.*

WEATHER CHARTS

FOR Wednesday, 25th October, 1899.

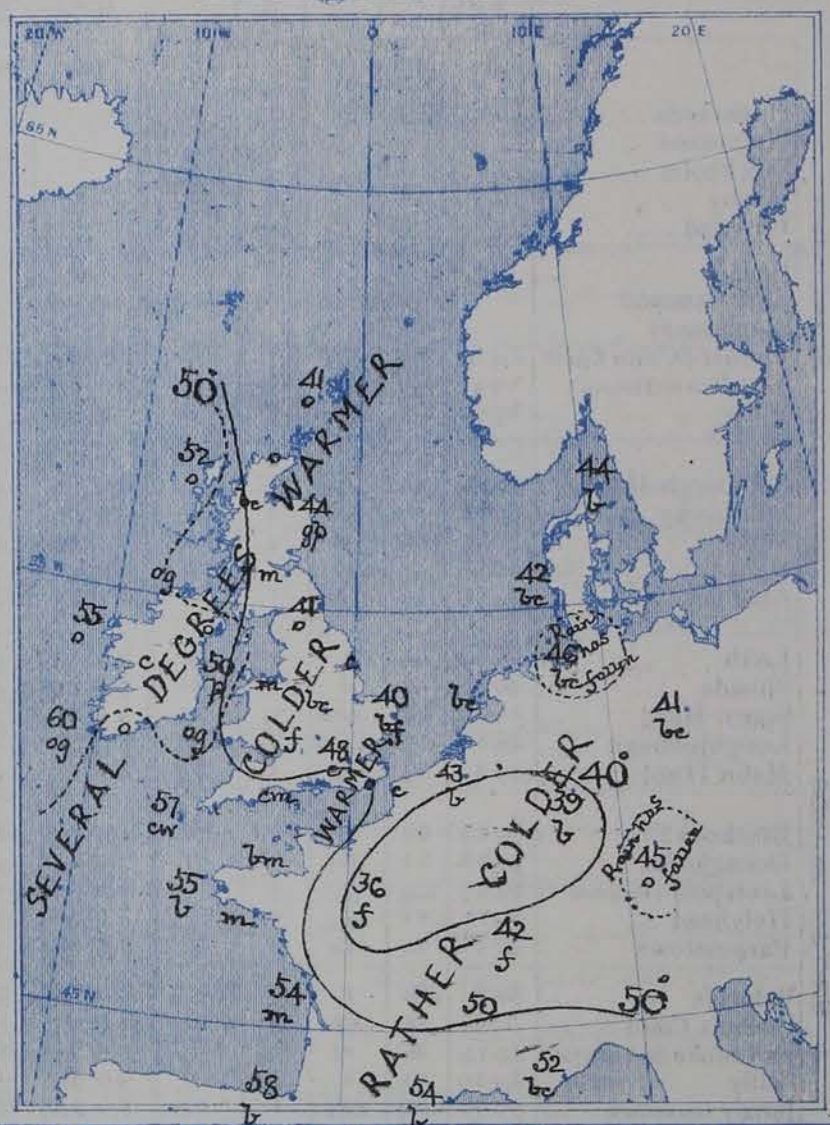
BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and more in an anticyclone covering the southeastern half of England, Holland, the northeast of France and Northern Germany.
Lowest, 30·0 in: and less, (1) over Sweden, and (2) off our extreme northwestern coast.
Gradients very slight within the anticyclonic area referred to above, moderate and increasing over Ireland and Scotland.
Barometer falling briskly in the west and north, rising over Norway and the North Sea.

TEMPERATURE

Highest, 60° at Valencia, 57° to 53° along the southwestern and western coasts of England, 52° at Malin Hd and Stornoway.
Lowest, (1) 39° at Loughborough, 45° at Oxford; (2) 36° at Paris, 39° at Wiesbaden. [The Scandinavian reports have not arrived].
During yesterday the maximum thermometer recorded more than 60° in several parts of England, and 82° (?) at Belfort.

WIND

Has shifted to between SE. and SW. in all parts of our Islands, and though very light over England is freshening considerably in Ireland and the west of Scotland. In France it is mainly E. and light.

WEATHER

Fair in the east and south, but hazy or foggy in many places; dull gloomy and unsettled in the west and north, fine over the North Sea and Germany.
Slight rain is reported from several western stations, and in Germany.
Bright Sunshine yesterday amounted to 7·5 hours at Pembroke and Hastings, and 5·8 hrs at Aberdeen. In London there was none.

SEA

Rising a little in the far west.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The indications point to the probability of mild weather over our Islands generally, gales in the west and north, and probably rain.

FORECASTS

For the 24 hours ending at NOON on 26th OCTOBER, 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
↑ 0 SCOTLAND NORTH	S. and SW. winds, rising to a gale, with rain.	↑ 6 SCOTLAND WEST	Same as No 0.
1 SCOTLAND EAST 2 ENGLAND N.E.	S. and SW. winds, increasing; fair and mild to showery.	7 ENGLAND N.W. 8 ENGLAND S.W.	Same as Nos 1 and 2.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S. and SW. winds, light to moderate, changeable, fair, milder.	↑ 9 IRELAND NORTH ↑ 10 IRELAND SOUTH	Same as No 0.
		WARNINGS	At 10·15 am to districts 0, 6, and parts of 9 and 10 "HOIST SOUTH CONE".

Note.—The **South Cone**, *point downwards* (↑), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...							
Sumburgh Head	30·19	40	36	NW	6	c	6
Stornoway... ...	30·33	48	44	SSW	2	o	2
Aberdeen	30·31	47	40	NW	4	bc q	3
Shields	30·32	49	44	N	2	c	2
Malin Head ...	30·31	53	51	W	1	b	1
Blacksod Pt.. ...	30·30	57	54	WSW	2	b	1
Holyhead	30·35	54	51	N	1	c	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·33	57	54	W	0	c	2
Scilly	30·33	58	55	E by E	3	o	0
Jersey	30·36	61	58	NE	2	c	2
Portland Bill ...	30·36	59	56	NNE	1	b	1
Dungeness ...	30·31	61	55	NNW	3	c	1
London (Westminster)	30·33	59	53	WSW	2	o	*
Yarmouth ...	30·27	53	50	NNW	3	bc	3
Rochefort ...	30·18	78	54	E	2	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over western and southern Europe as a whole, but foggy over the central and southeastern parts of England and the south of Ireland as well as over Belgium and Central France. Dull in most of the northern, eastern and central countries, with fog in places and with rain in the west of Norway, as well as at Copenhagen and Memel; snow falling at Archangel. Slight rain falling later at several of our own western and northern stations.

Temperature fallen in the west and north of our Islands and also in Scandinavia and Finland, but rising elsewhere. Morning readings highest 70° at Palermo and San Fernando, and 69° at Barcelona, Malta and Oran. Above 65° at most of the Mediterranean and Spanish coast stations. Lowest 19° at Haparanda, 26° at Uleaborg, and 29° at Archangel and Mezen. Daily maxima below 50° on our extreme northern coast, but slightly above 60° at some of our southern stations. Exceeding 70° in the west and south of France.

Wind light from the E^ly or NE^ly over the south of our Islands and the north of France. Light to moderate from between W. and N. in the northern part of our Islands, and strong to a gale from the same quarters on the eastern shores of the North Sea; Moderate to strong from the W^ly or SW^ly over Germany and the Baltic; S^ly or SE^ly in Finland, E^ly in the north of Scandinavia. Light and variable over southern Europe generally. Subsequently shifting to the SW^ly on our own extreme northwest coasts; no important change occurring elsewhere.

Barometer highest 30·2 ins. to 30·3 ins. and upwards in an anticyclone covering the greater part of western and southern Europe. Lowest 29·1 ins. and less in a large and deep depression with its centre over the central parts of Scandinavia. Gradients steep over northern Europe generally. Depression subsequently moving eastwards; barometer rising briskly in Norway, but beginning to fall on our own western coasts in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on THURSDAY OCTOBER 26TH 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	30·09	18	N	2	0	30·12		9	8		Z	0	b	·	0	·	27	9	—
	Hernösand	30·06	25	N	6	b	30·09	+·40	21	20	−6	Z	0	0	·	b	·	34	21	—
	Stockholm	29.95	31	NW	8	0	30·07	+·56	27	25	−5	NW	2	0	·	0	·	41	27	—
	Wisby	29.91	36	N	9	0	30·06	+·58	33	31	−5	N	6	bc	·	0	·	37	32	—
	Karlstad	30·13	31	N	2	b	30·11	+·27	30	29	−6	NE	2	0	·	b	·	·	·	—
	Bodö	30·13	24	ENE	4	b	29.81	−·23	24	24	0	E	6	b	1	b	·	27	21	—
	Christiansund ...	30·00	36	ENE	5	c	29.51	−·62	45	41	+9	ESE	3	c	3	c.	·	45	34	0·12
	Skudesnaes ...	30·13	42	S	6	0	29.75	−·44	51	50	+14	SSE	8	†	3	0	·	51	37	·
	Færder (X'iania Fjord)	30·12	43	NE	2	b	30·00	+·01	43	40	+2	SSE	4	0	3	b	·	45	39	—
	The Scaw (Skagen)	30·13	43	NNW	1	b	30·03	+·01	45	43	+1	SW	4	0	1	b	·	46	41	—
	Fanö	30·25	45	2	0	0	30·15	−·04	49	45	+7	SW	2	0	·	0	·	49	42	—
BRITISH ISLANDS	Sumburgh Head ...	29.83	50	SW	2	0	29.41	−·72	49	49	+8	W	2	0	4	†.0	·	51	40	0·21
	Stornoway	29.76	53	SW	4	0	29.50	−·51	52	50	0	WNW	3	0	3	0	0.0	54	47	0·04
	Wick	29.86	50	S	4	0	29.53	−·51	49	48	+1	NW	2	0	2	0	·	56	47	0·07
	Nairn	29.84	53	W	1	c	29.54	−·59	55	54	+5	W	1	†	1	c	·	58	47	0·01
	Aberdeen	29.93	50	SSE	3	0g	29.57	−·61	56	52	+12	SW	4	0gq	3	b.0g.f	3·3	57	44	0·02
	Leith	29.96	50	W	1	0	29.65	−·58	57	55	+12	SW	2	c	·	0	·	59	48	0·13
	Shields	30·06	50	S	3	0	29.74	−·55	54	53	+13	SSW	2	0	2	0.†	·	54	40	0·16
	Spurn Head ...	30·14	51	SSW	4	0	29.86	−·49	51	50	+4	SSW	5	0	4	0.†	·	54	47	0·17
	Loughborough ...	30·20	54	SE	1	0	29.92	−·44	53	52	+14	SSW	3	0	·	cm.0fq	·	57	39	0·17
	Malin Head ...	29.82	55	S	4	0f	29.68	−·44	51	51	−1	SW	2	0†	2	0.0f	·	56	51	0.25
	Blacksod Pt. ...	29.86	57	SSW	4	†	29.74	−·35	53	52	−2	W	3	bcf	2	†	·	57	52	0·31
	Donaghadee ...	29.96	55	SSE	4	†	29.74	−·44	56	55	+3	S	3	c	3	†	·	57	53	0·39
	Liverpool (Bidston)	30·09	52	ESE	3	mt	29.83	−·48	55	54	+11	SE	2	0	2	mt	·	57	44	0·13
	Holyhead	30·02	57	S	3	0gmf	29.83	−·43	57	56	+7	SW	3	0m	2	cm.0gmf	·	58	48	0·10
	Parsonstown ...	29.92	57	SE	2	0	29.80	−·36	55	54	+1	S	1	0	·	0d	0·1	59	53	0.20
	Valencia	29.92	59	S	3	tmg	29.82	−·26	54	54	−6	WNW	1	tmg	3	tmg	0.0	60	53	0.46
	Roche's Point ...	29.98	58	SSW	5	f	29.85	−·34	57	56	0	NW	1	0	3	t.f	·	58	56	0·10
	Pembroke (St. Ann's Hd.)	30·07	58	SSW	4	0	29.84	−·41	57	56	+2	WSW	4	0g	4	0	3·7	59	55	0·14
	Scilly	30·09	57	SE	5	m	29.91	−·31	58	58	+1	SW	2	f	3	0m	1·6	60	55	0·12
	Jersey (St. Aubin's) ...	30·19	60	ESE	3	bm	30·05	−·29	55	52	−1	SE	3	cm	3	b.bm	·	63	55	—
	Portland Bill ...	30.21	56	SE	3	bc	30·00	−·34	57	55	+1	SSW	4	0	4	c.bc	·	62	55	—
	Dungeness	30.25	55	S	3	bc	30·05	−·32	54	53	+1	SW	4	c	3	0.bc	·	56	53	—
	London (Brixton) ...	30·24	55	SSW	1	0	30·01	−·36	53	52	+5	S	2	0	·	cm.0.d	1·5	62	46	—
	Oxford	30·18	53	S	2	bc	29.98	−·39	54	52	+9	S	3	0g	·	f.bc	·	58	45	—
	Yarmouth	30.24	50	SSW	3	b	29.98	−·38	52	50	+12	S	4	c	4	b	·	52	39	—
GERMANY.	Cuxhaven	30.25	47	NW	3	c	30·17	−·03	41	40	−5	SW	2	c	·	c	·	48	39	—
	Berlin	30.22	41	WNW	3	b	30·24	+·13	39	37	−2	WSW	1	c	·	b	·	48	39	—
	Wiesbaden	·	·	·	·	·	30·21	−·19	33	32	−6	SSW	1	b	·	·	·	52	30	—
	Munich	30·37	36	SE	2	b	30·23	−·14	31	31	−14	E	3	b	·	b	·	48	28	—
FRANCE & NETHERLANDS.	The Helder ...	30.28	42	Z	0	b.	30·08	−·27	41	39	−8	S	1	c	1	b	·	52	37	—
	Brussels	·	·	·	·	·	30·23	−·18	41	38	−2	SE	2	c	·	b	·	56	33	—
	C. Gris Nez ...	30.27	50	ESE	1	bc	30·11	−·25	44	42	−2	S	2	bc	2	bc	·	55	41	—
	Paris	30·30	46	E	1	b	30·15	−·24	31	31	−5	E	1	b	·	b	·	59	30	—
	Brest	30·13	60	S	2	c	29.94	−·28	59	53	+4	SSE	2	m	2	c	·	66	52	—
	Lorient	30·17	59	ESE	4	c	30·02	−·25	57	56	+4	SE	2	m	2	c	·	66	52	—
	Rochefort	30·17	60	ENE	2	b	30·04	−·19	54	52	0	E	2	bc	·	b	·	72	50	—
	Belfort	30.26	44	E	3	b	30·17	−·18	39	36	−3	ENE	2	m	·	b	·	59	33	—
	Lyons	30.27	48	SSE	1	b	30·20	−·08	40	40	−10	NNW	1	f	·	b	·	59	39	—
	Nice	30·11	57	Z	0	c	30·11	−·06	57	54	+5	E	1	0	2	c	·	66	52	—
	Perpignan ...	30·14	60	E	1	b	30·13	−·07	54	54	0	Z	0	0	·	b	·	77	34	—
	Biarritz	30·09	66	Z	0	c	30·04	−·09	64	62	+6	Z	0	bc	0	c	·	73	58	—
SPAN. PEN.	Corunna																			
	Lisbon																			
	Azores (P. Delgada)	30·04	64	NNE	3	bc	30·02	+·01	62	60	−1	NNE	3	c	3	bc	·	68	61	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport. 0.0 *hrs.*

WEATHER CHARTS

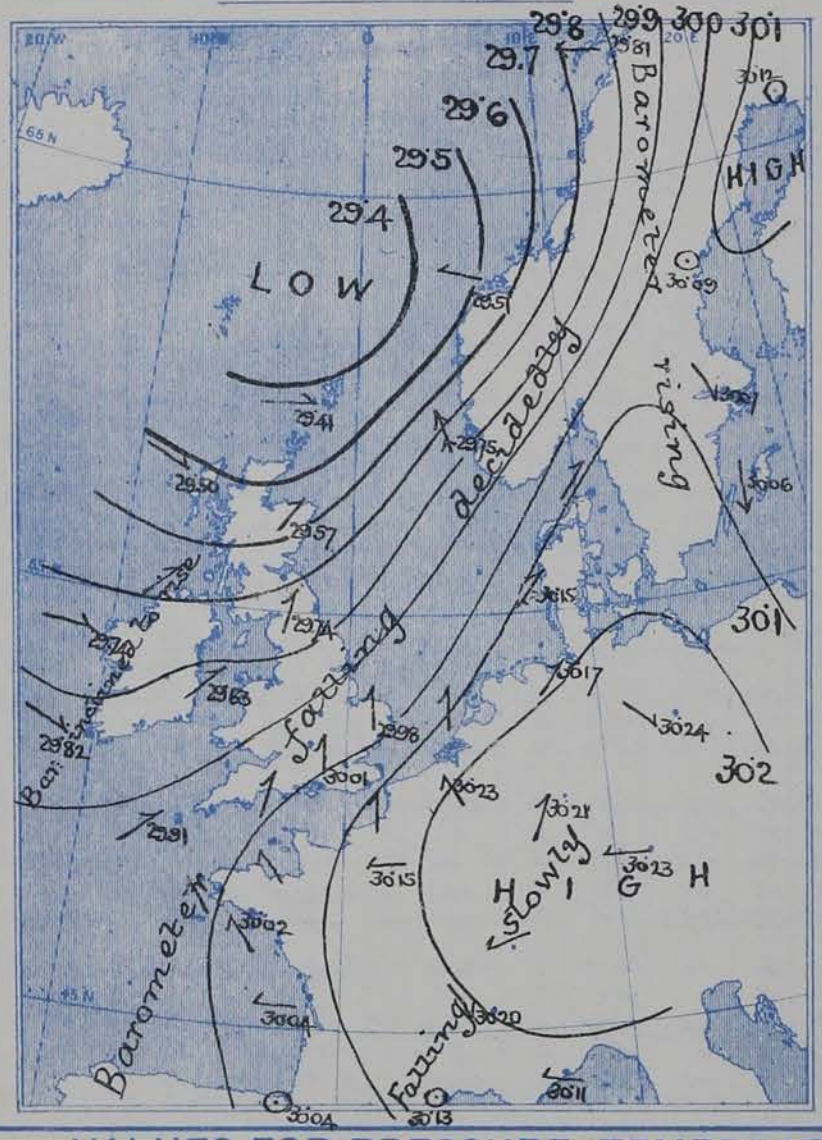
FOR Thursday, 26th October 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

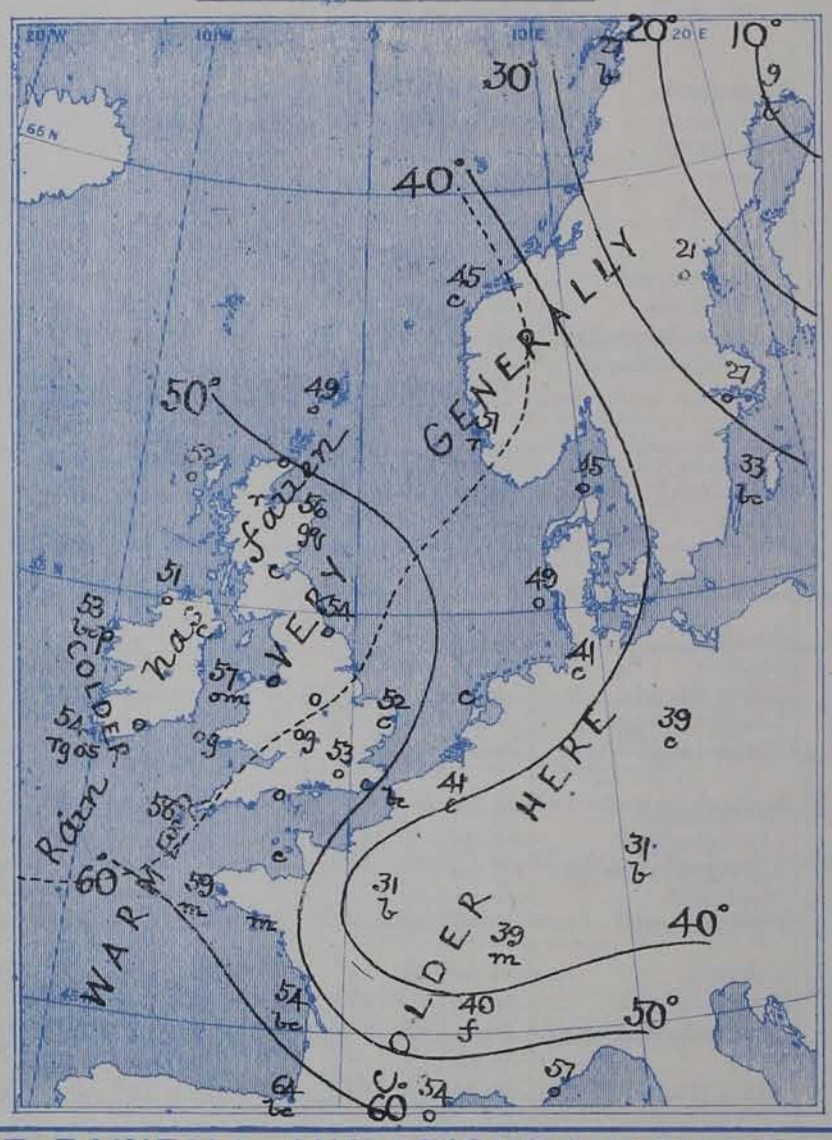
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30.2 ins. and more to 30.1 ins. over Germany and the E. of France; (2) 30.12 ins. at Haparanda.
Lowest 29.4 ins. and less in a depression, the central area of which lies near the Shetlands.
Gradients rather steep over the North Sea and Norway, moderate over our Islands, slight in France.
Barometer beginning to rise again at Valencia, though it had fallen all night.

TEMPERATURE

Highest 64° at Biarritz, 59° at Brest, 58° at Scilly, and above 50° over almost the whole of the United Kingdom.
Lowest (1) 9° at Haparanda, 21° at Hernösand, 27° at Bodö, 43° at Faerder; (2) 31° at Paris and Munich, 33° at Wiesbaden, 39° at Belfort and Berlin.
It has risen decidedly over our Islands during the past 24 hrs., but is now falling again at Valencia.

WIND

SW^ly to W^ly over Scotland, Wales and Ireland, more S^ly over England, SSE^ly to E^ly in the west of Norway, in which region it is blowing rather strongly.
Calms and anticyclonic airs prevail over Germany and France, and in the north of Sweden.

WEATHER

Cloudy generally with a little rain in a few places. It is much more humid over England than it was yesterday.
There has been rain at all our W^rn and N^rn stations since yesterday, but the amount has not been large.
Bright sunshine yesterday amounted to 7 hrs. at Worthing to 3.7 hrs. at Pembroke, and 3.3 hrs. at Aberdeen. In London it was 1.5 hrs., and at Stornoway and Valencia none.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather is not at all settled anywhere, but is likely to become temporarily cooler and finer over Gt. Britain shortly.

FORECASTS

For the 24 hours ending at NOON on 27TH OCTOBER 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	SW^ly to NW^ly winds, light; rain at times, cooler.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW^ly and W^ly winds, light; slight showers, then colder and finer.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	Wind veering towards NW.; cooler, finer, not settled.
WARNINGS	At 10.15 am yesterday to districts 0, 6 and parts of 9 and 10, and at 7.30 pm to districts 1 and the remainder of 0. Hoist South Cone. The signals have been lowered this morning.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30.23	44	39	Z	0	0	3
Sumburgh Head	29.92	49	49	SW	3	+	5
Stornoway... ...	29.90	54	52	SW	4	0	4
Aberdeen	30.03	56	51	SW	3	b	3
Shields	30.14	51	48	SSW	2	0	2
Malin Head ...	29.95	53	53	S	4	odp	2
Blacksod Pt.. ...	30.03	59	55	SSW	4	+	3
Holyhead	30.15	58	53	S	2	cm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.98	59	58	SSE	4	fmq	5
Scilly	30.14	54	54	SSE	5	omq	2
Jersey	30.30	60	55	ESE	3	b	3
Portland Bill ...	30.26	62	58	SSE	3	c	3
Dungeness ...	30.32	55	55	SSW	3	o	2
London (Westminster)	30.28	61	54	S	2	o	*
Yarmouth ...	30.29	50	47	SSE	3	b	3
Rochefort ...	30.20	70	66	ENE	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over France, W^rn Germany and the greater part of England, but foggy or hazy in many localities; dull and rather unsettled in Ireland and Scotland, very dull rainy and unsettled over Finland and many parts of Russia. Rain falling generally over Ireland, Wales and Scotland later, but weather, though cloudy, remaining moderately fair over England and France.

Temperature risen considerably in Ireland and the W. of Scotland, fallen over Scandinavia, Germany and France. Morning readings highest 70° at Algiers, 69° at Palermo, 64° at Brindisi; 58° to 53° in the W. of France, 60° to 50° on our own W. and SW. coasts. Lowest (1) 18° at Archangel, 25° at Haparanda, 36° at Moscow; (2) 36° at Paris, 39° both at Wiesbaden and at Longborough. Rising later to 58° at Aberdeen to 60° and more on our SW^rn coasts and in London, to 66° at Brest, and 77° at Perpignan.

Wind (1) Light and anticyclonic over the Southeastern half of England the greater part of France and the west and southwest of Germany; (2) cyclonic and blowing a hard gale from between NE. and NW. over Finland, the Baltic and north Germany. The S^rly wind becoming general in our Islands later and increasing in force on our northeast coasts.

Barometer in morning highest (1) 30.43 ins. at Brussels and exceeding 30.3 ins. over England, the NE. of France, and W^rn Germany. Lowest 30.1 ins. to 30.0 ins. over our W^rn districts; (2) 29.0 ins. and less to 29.2 ins. in a depression over the Gulf of Finland. Gradients very steep over the Baltic and Finland. Falling decidedly at our W^rn stations later, and fall spreading eastwards. Depression over Finland moving SE^wds.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Friday 27th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.89	19	E	1	o	29.58	−.54	28	28	+ 19	S	4	s	•	o	•	28	5	0.08
	Hernösand	29.71	33	N	8	s	29.47	−.62	34	33	+ 13	E	o	o	•	s	•	34	16	0.47
	Stockholm	29.91	35	SW	2	r	29.60	−.47	43	42	+ 16	SW	2	r	•	r	•	43	25	0.16
	Wisby	29.99	37	NW	4	o	29.74	−.32	45	45	+ 12	SW	8	r	•	o	•	45	30	0.08
	Karlstad	29.73	44	SE	6	r	29.48	−.63	46	46	+ 16	SSE	6	r	•	r	•	•	•	0.20
	Bodö	29.32	30	E	6	s	29.22	−.59	33	31	+ 6	E	4	c	1	s	•	33	23	—
	Christiansund ...	29.39	47	SW	3	r	29.38	−.13	44	42	− 1	WSW	4	r	4	r	•	52	44	0.28
	Skudesnaes ...	29.60	50	W	4	r	29.58	−.17	50	46	− 1	WNW	6	c	4	r f, r	•	52	37	•
	Færder (X'iania Fjord)	29.62	49	SSW	7	o	29.51	−.49	50	49	+ 7	W	4	r	3	o	•	50	43	0.32
	The Scaw (Skagen)	29.73	45	SW	7	m	29.59	−.44	49	49	+ 4	WNW	3	r	0	m	•	50	45	0.24
	Fanö	29.92	50	SW	4	o	29.76	−.39	52	51	+ 3	S	4	o	•	o	•	52	45	0.28
BRITISH ISLANDS.	Sumburgh Head ...	29.41	49	W	4	o	29.48	+ .07	46	44	− 3	W	4	c	4	c, q	•	51	43	0.20
	Stornoway	29.49	48	W	4	orq	29.59	+ .09	44	42	− 8	WSW	3	c	3	c, drq	3.6	55	39	0.08
	Wick	29.53	41	NW	3	c	29.61	+ .08	44	42	− 5	NW	2	r	1	c	•	50	39	0.01
	Nairn	29.55	49	W	1	c	29.65	+ .11	40	40	− 15	E	o	b	1	c	•	?55	38	0.06
	Aberdeen	29.58	51	SW	2	og	29.69	+ .12	41	39	− 15	SW	1	bmw	1	og	0.0	56	37	—
	Leith	29.64	53	WSW	2	o	29.71	+ .06	45	44	− 12	WSW	1	m	•	o	•	59	43	0.01
	Shields	29.69	54	SSW	1	od	29.76	+ .02	46	45	− 9	WSW	2	m	2	o, d	•	60	44	0.02
	Spurn Head ...	29.80	54	SSW	4	c	29.76	− .10	52	50	+ 1	S	1	r	2	c	•	55	48	0.09
	Loughborough ...	29.81	56	S	1	o	29.78	− .14	51	51	− 2	SE	1	agmd	•	ap, gmr	•	57	51	0.19
	Malin Head ...	29.66	52	W	4	c	29.71	+ .03	44	44	− 7	S	2	bc	2	p, c	•	52	44	0.05
	Blacksod Pt. ...	29.75	52	W	3	c	29.74	.00	42	41	− 11	NW	1	b	1	bc, c	•	55	40	0.02
	Donaghadee ...	29.72	52	SW	2	og	29.74	.00	42	42	− 14	WSW	2	bc	2	og	•	56	39	0.10
	Liverpool (Bidston) ...	29.75	55	SSW	3	o	29.75	− .08	50	49	− 5	SE	1	r	?	om, r	•	59	48	0.36
	Holyhead	29.77	53	WNW	2	dm	29.75	− .08	50	49	− 7	NE	1	pd	1	omg, dm	•	57	49	0.29
	Parsonstown ...	29.77	50	NW	1	o	29.76	− .04	45	44	− 10	SW	1	f	•	od	0.0	55	44	0.17
	Valencia	29.81	54	E	0	r	29.74	− .08	49	44	− 5	E	0	om	2	rm	0.0	56	48	0.24
	Roche's Point ...	29.77	55	NW	1	o	29.73	− .12	50	50	− 7	N	1	r	3	r, o	•	57	49	0.18
	Pembroke (St. Ann's Hd.)	29.80	57	SW	4	o	29.69	− .18	58	56	+ 1	SW	2	ogp	3	o	0.1	58	52	0.75
	Scilly	29.85	57	WSW	2	o	29.68	− .23	59	57	+ 1	SSW	5	r	4	f, o	0.1	62	56	0.58
	Jersey (St. Aubin's) ...	29.91	59	SSE	3	rm	29.90	− .15	60	54	+ 5	SE	2	orm	2	rg, pg	•	60	54	0.26
	Portland Bill ...	29.37	58	SW	1	om	29.82	− .18	58	57	+ 1	SSW	4	r	5	fd, om	•	58	54	0.34
	Dungeness	29.89	58	SW	4	c	29.85	− .20	58	58	+ 4	WSW	4	o	3	c	•	59	53	0.06
	London (Brixton) ...	29.88	55	SW	2	or	29.83	− .18	57	56	+ 4	SW	1	od	•	or, b	0.0	62	53	0.26
	Oxford	29.84	56	S	1	o	29.77	− .21	55	55	+ 1	S	1	org	•	org	•	56	53	0.41
	Yarmouth	29.85	53	SSW	3	or	29.79	− .17	55	54	+ 3	SW	3	fd	3	c, or	•	56	50	0.20
GERMANY.	Cuxhaven	29.97	45	S	3	o	29.81	− .36	45	44	+ 4	SW	4	o	•	o	•	48	41	—
	Berlin	30.13	41	SE	3	b	29.98	− .26	37	36	− 2	SW	2	bc	•	b	•	46	34	—
	Wiesbaden	•	•	•	•	•	30.07	− .14	38	37	+ 5	E	0	o	•	•	•	48	32	—
	Munich	30.15	36	SE	1	b	30.15	− .08	34	34	+ 3	E	0	bc	•	b	•	50	34	—
FRANCE & NETHERLANDS.	The Helder ...	29.90	46	S	2	bc	29.82	− .26	54	54	+ 13	SW	1	f	1	bc	•	54	41	0.20
	Brussels	•	•	•	•	•									•		•			
	C. Gris Nez ...	29.94	54	SSW	4	r	29.88	− .23	56	55	+ 12	SW	4	o	4	r	•	57	44	0.20
	Paris	30.02	50	SSE	2	bc	30.00	− .15	52	51	+ 21	SSE	2	o	•	bc	•	59	31	—
	Brest	29.93	57	NW	1	m	29.96	− .08	59	59	0	S	3	f	4	m	•	59	55	0.24
	Lorient	29.93	61	SW	2	m	29.93	− .09	59	59	+ 2	SSW	4	o	2	m	•	66	57	—
	Rochefort	30.00	64	E	2	c	30.02	− .02	63	59	+ 9	SE	2	o	•	c	•	73	50	—
	Belfort	30.07	?	ENE	1	b	30.10	− .07	43	42	+ 4	W	1	m	•	b	•	61	37	—
	Lyons	30.11	51	S	1	o	30.13	− .07	46	46	+ 6	SE	1	f	•	o	•	59	40	—
	Nice	30.06	59	E	0	c	30.14	+ .03	55	52	− 2	E	1	c	1	c	•	64	54	—
	Perpignan	30.12	58	SE	1	b	30.12	− .01	58	58	+ 4	E	0	o	•	b	•	68	53	—
	Biarritz	30.01	69	E	0	f	30.00	− .04	59	58	− 5	ESE	3	b	3	b	•	73	57	—
SPAIN.	Corunna																•			
PORTUGAL.	Lisbon														•		•			
	Azores (P. Delgada)	30.04	64	WNW	3	o	30.09	+ .07	62	58	0	NNE	4	bc	3	o	•	68	59	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.0 *hrs.*

WEATHER CHARTS

FOR Friday, 27th October, 1899.

BAROMETER, WIND AND SEA.

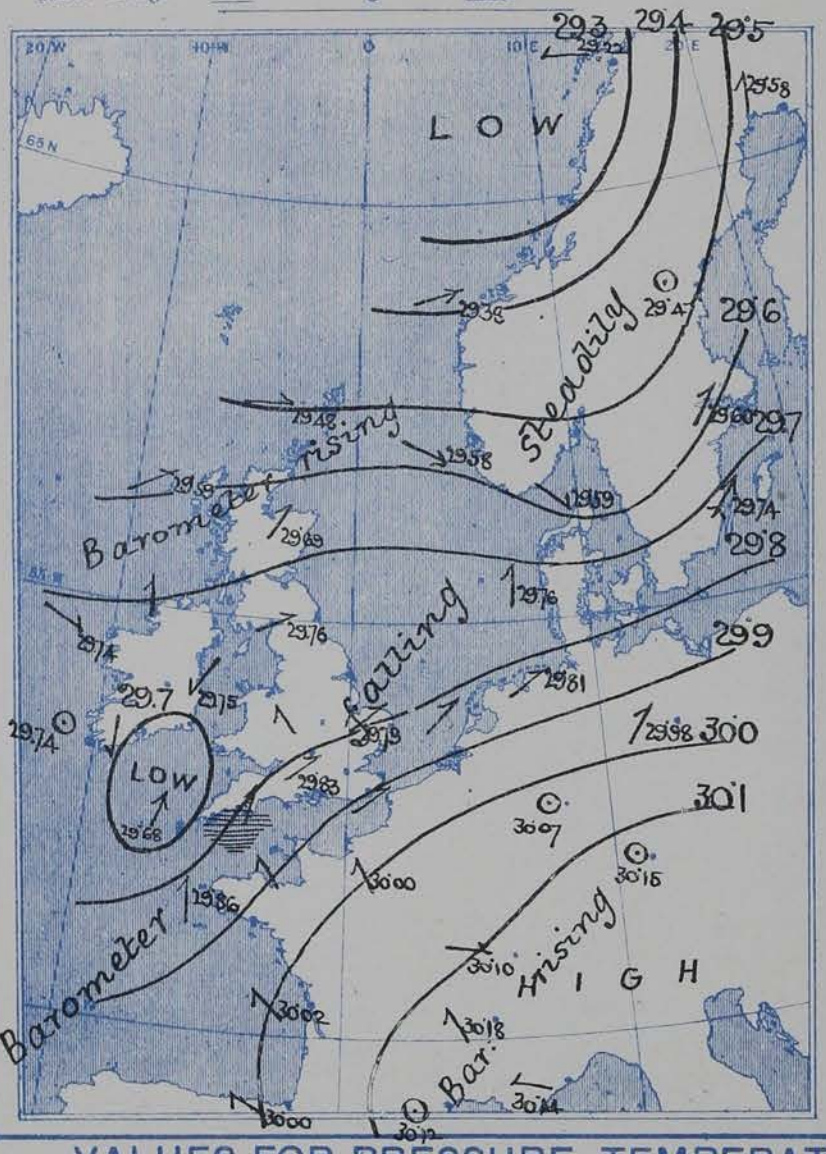
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

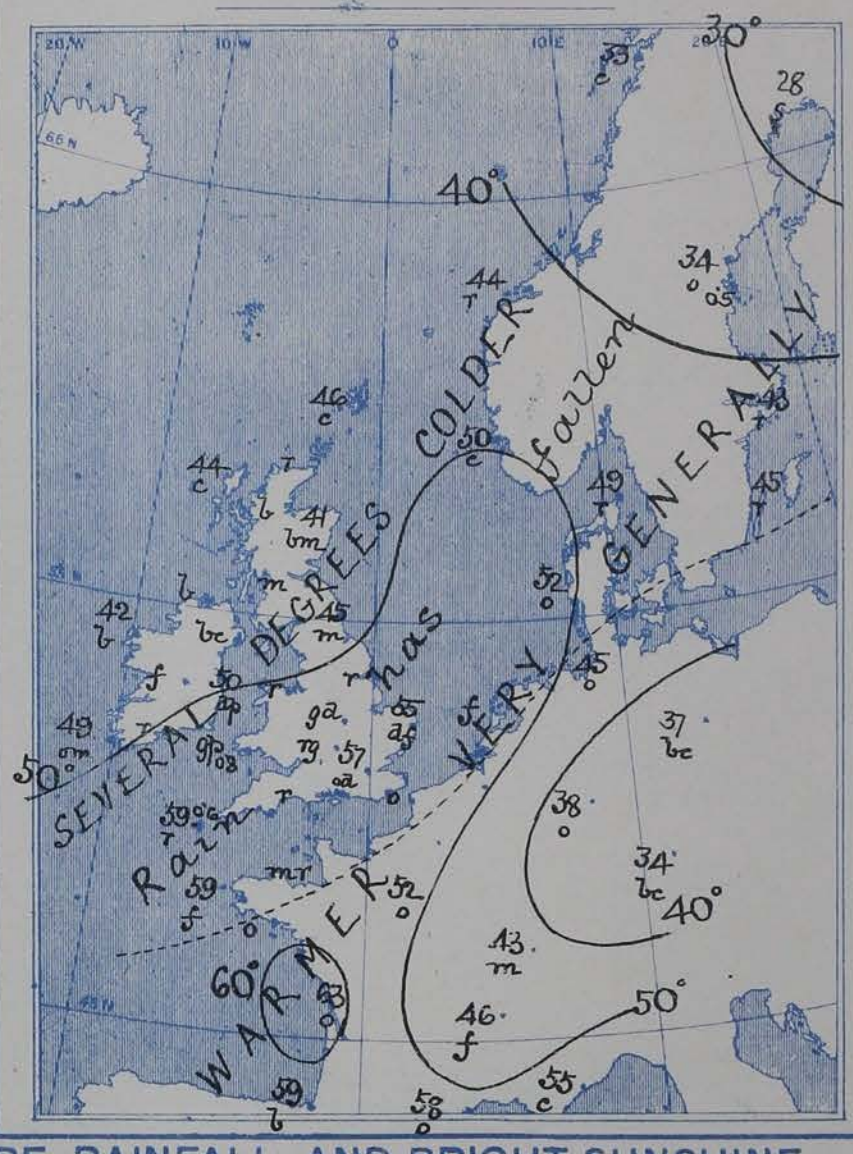


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and more to 30.0 ins. over the S.rn and E.rn parts of France & S. Germany
Lowest (1) 29.3 ins. and less in the W. of Lapland; (2) below 29.7 ins. in a shallow depression at the mouth of the Bristol Channel.
Gradients moderate, - variable in direction over our SW.rn districts.
Barometer rising at our N.rn stations, falling in the S.

TEMPERATURE

Highest 63° at Rochefort, 59° at Brest and Scilly, 58° in the English Channel, 57° in London, 54° at the Helder.
Lowest (1) 28° at Haparanda, 33° at Bodo, 34° at Hernosand; (2) 34° at Munich, 37° at Berlin, 38 at Wiesbaden; (3) 42° to 44° over the N. of Ireland.
The maxima recorded yesterday again exceeded 60° at several of our S.rn stations; the past night has been warm over England, cold in Scotland and the N. of Ireland.

WIND

(1) SW.ly to W.ly over Gt. Britain, and though light generally blows rather strongly at Scilly.
(2) Very variable over Ireland; (3) SE.ly to S.ly over France.

WEATHER

Dull close and rainy over the greater part of England; rainy, but cool, in the S. of Ireland; fine and bright in Scotland; dull and misty over France.
Rain has fallen very generally over our Islands and their neighbourhood; the largest amount collected is 0.75 in. at Pembroke.
There was scarcely any Bright Sunshine over England and Ireland yesterday, but 3.6 hrs. at Stornoway.

SEA

Moderate at the mouth of the Channel, and on the NW. coast of Norway; slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Changeable damp weather is probable over England at first, but the cooler finer conditions in Ireland and Scotland are likely to reach England later.

FORECASTS

For the 24 hours ending at NOON on 28TH OCTOBER 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Varying light winds; rain at times, cooler.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	SW.ly and S.ly winds, light; rainy, then cooler.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	NW.ly and varying airs; cooler, finer.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.61	52	52	SW	6	rf	4
Sumburgh Head	29.43	50	48	W	4	c	4
Stornoway... ...	29.51	54	52	W	4	c	4
Aberdeen	29.59	54	50	SW	2	og	3
Shields	29.71	60	56	SW	2	o	2
Malin Head ...	29.66	52	51	WSW	4	c	3
Blacksod Pt.. ...	29.74	55	51	W	2	bc	2
Holyhead	29.78	56	55	SW	4	ogm	3
Valencia	29.80	55	54	2	0	rm	5
Scilly	29.88	59	59	SSW	2	f	4
Jersey	29.97	59	55	SSE	4	or	3
Portland Bill ...	29.92	57	57	SSW	4	fd	4
Dungeness ...	29.95	57	56	SW	4	c	4
London (Westminster)	29.92	58	55	SW	3	or	*
Yarmouth ...	29.89	56	53	SSW	4	c	4
Rochefort ...	30.04	72	65	E	2	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning (1) fine over the Mediterranean, France and central Europe; fair but not settled over the NW of Germany and S. of Sweden; (2) fine and bright over the northern extremity of the Gulf of Bothnia; dull and rainy over the British Islands, and also over Russia, with snow at St. Petersburg. Rain falling later all over the British Islands and the neighbourhood; rain and snow in Sweden and Lapland; very dull and close over England.

Temperature in morning (1) 71° at Algiers, 68° at Malta, 66° at Brindisi, 65° at Barcelona; (2) 59° at Brest, 58° at Scilly, and above 50 over nearly the whole of the British Isles. Lowest (1) 9° at Haparanda, 17° at Archangel, 27° at Stockholm, 33° at St. Petersburg, and 36° at Moscow; (2) 31° at Munich and Paris, 33° at Wiesbaden, 39° both at Belfort and Berlin. Rising later to 50° and more in Norway, and to 60° and more in many parts of England, to 66° at Lorient, and to 73° at Rochefort and Biarritz.

Wind (1) light and anticyclonic over central Europe & the Mediterranean; (2) cyclonic N. (but decreasing in force) over the west of Russia; (3) W. to S. but of no great strength over our Islands and their neighbourhood; SE. in the west of France. No great change reported later.

Barometer 30.2 ins. and more to 30.1 in. in a large anticyclone covering central Europe and the Mediterranean, and in a "ridge" extending N. to the neighbourhood of Stockholm; lowest (1) 29.2 ins. and less in a depression over central Russia; (2) 29.4 ins. and less in another depression lying slightly to the N. of the Shetland Isles. Some slight secondary disturbances shown over our SW. districts; falling somewhat over France and our S. stations later; rising slightly in the N.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France, at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 28th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.48	25	E	2	0	29.51	-.07	28	28	0	E	2	0	*	0	*	28	18	0.08
	Hernösand	29.54	28	E	0	f	29.58	+.11	28	28	-6	E	0	f	*	f	*	36	25	-
	Stockholm	29.65	44	SW	2	b	29.63	+.03	43	42	0	W	2	0	*	b	*	46	34	0.24
	Wisby	29.74	46	W	4	b	29.71	-.03	45	44	0	WSW	4	0	*	b	*	46	36	0.24
	Karlstad	29.65	43	SW	2	b	29.68	+.20	33	32	-13	N	2	b	*	b	*	*	*	0.08
	Bodö	29.27	40	E	2	0	29.30	+.08	41	39	+8	SW	6	r	4	0	-	41	33	0.47
	Christiansund ...	29.46	44	WSW	8	r	29.44	+.06	46	41	+2	WSW	3	bc	5	r	*	46	43	0.75
	Skudesnaes ...	29.69	49	W	2	bc	29.66	+.08	48	45	-2	SSW	6	0	4	b.o	*	52	45	*
	Færder (X'iania Fjord)	29.65	50	WSW	4	b	29.66	+.15	45	41	-5	W	4	0	2	b	*	52	45	-
	The Scaw (Skagen)	29.73	46	WSW	3	m	29.71	+.12	43	42	-6	W	1	m	0	m	*	52	37	0.04
	Fanö	29.75	48	N	1	r	29.76	.00	44	44	-8	E	0	b	*	r	*	52	44	0.51
BRITISH ISLANDS.	Sumburgh Head ...	29.52	48	W	3	0	29.32	-.16	50	49	+4	SSW	3	c	4	0	*	50	42	0.07
	Stornoway	29.53	48	SW	3	0	29.18	-.41	52	51	+8	SW	6	r	6	c.o	2.5	53	42	0.40
	Wick	29.59	45	W	3	0	29.32	-.29	51	49	+7	NW	6	0	3	0	*	51	42	-
	Nairn	29.62	43	SW	1	b	29.39	-.26	50	49	+10	SW	1	c	1	b	*	54	38	-
	Aberdeen	29.66	45	SW	2	b	29.51	-.18	45	43	+4	SW	5	o g q	3	b	7.2	55	36	-
	Leith	29.67	48	WSW	1	m	29.63	-.08	48	45	+3	S	3	o	*	m	*	53	41	-
	Shields	29.70	50	S	1	0	29.71	-.05	39	39	-6	SW	2	c m	2	o m	*	51	38	-
	Spurn Head ...	29.68	50	NE	4	0	29.76	.00	50	49	-2	NW	1	o	2	o.rf	*	52	47	0.25
	Loughborough ...	29.71	52	NW	1	r	29.80	+.02	49	49	-2	W	1	of	*	gmr.pf	*	56	49	0.52
	Malin Head ...	29.67	50	SW	2	b	29.41	-.30	50	50	+6	SSW	7	or	5	b	*	53	44	-
	Blacksod Pt. ...	29.73	52	W	3	b	29.49	-.25	57	55	+15	WSW	7	o	6	b	*	?57	?42	0.04
	Donaghadee ...	29.71	46	W	2	b	29.65	-.09	49	47	+7	S	4	c	3	b	*	54	40	-
	Liverpool (Bidston) ...	29.71	50	N	1	r	29.78	+.03	48	47	-2	SSW	1	b	2	rf	*	51	46	0.24
	Holyhead	29.72	52	NNE	1	cp	29.75	.00	49	46	-1	SW	2	bc	1	op a.cp	*	52	45	0.03
	Parsonstown ...	29.77	45	SW	1	b	29.73	-.03	47	45	+2	SW	1	o	*	o.b	0.8	51	30	-
	Valencia	29.79	49	E	0	b	29.77	+.03	57	56	+8	SSW	4	o gm	4	bc.b	3.2	57	39	-
	Roche's Point ...	29.74	52	NW	1	c	29.87	+.14	54	52	+4	W	3	c	3	c	*	55	40	-
	Pembroke (St. Ann's Hd.)	29.72	53	ENE	3	o	29.83	+.14	52	49	-6	NW	3	bc	3	o	0.3	58	50	0.15
	Scilly	29.67	60	SSW	4	f	29.87	+.19	54	52	-5	NW	4	c	4	r.f	0.0	61	52	0.52
	Jersey (St. Aubin's) ...	29.83	62	S	3	og	29.87	-.03	60	58	0	SSW	3	og	3	o.og	*	62	58	0.02
	Portland Bill ...	29.78	60	SSW	4	or	29.83	+.01	58	57	0	W	3	o	4	o.or	*	60	55	0.45
	Dungeness	29.80	60	SW	4	c	29.82	-.03	60	59	+2	WSW	4	o	4	op.c	*	60	58	0.02
	London (Brixton) ...	29.77	60	SW	2	od	29.81	-.02	58	57	+1	WSW	1	c	*	or	0.0	60	49	1.06
	Oxford	29.72	58	SSW	2	r	29.78	+.01	55	55	0	S	1	or	*	r	*	61	55	0.92
	Yarmouth	29.71	60	SW	3	o	29.77	-.02	55	54	0	E	0	rm	3	d.og	*	60	53	0.48
GERMANY.	Cuxhaven	29.82	50	SSW	3	m	29.75	-.06	53	53	+8	WSW	2	f	*	d.r	*	55	45	0.51
	Berlin	29.96	50	SSW	3	o	29.88	-.10	53	52	+16	SSW	3	o	*	o	*	54	37	-
	Wiesbaden	*	*	*	*	*	30.03	-.04	44	44	+6	E	0	o	*	*	*	50	38	-
	Munich	30.15	48	SE	2	o	30.16	+.01	44	42	+10	SW	1	b	*	o	*	57	34	-
FRANCE & NETHERLANDS.	The Helder ...	29.75	56	SW	4	r	29.80	-.02	56	55	+2	WSW	1	r	1	r	*	57	54	0.39
	Brussels	*	*	*	*	*	29.90		56	55		S	2	c	*	c	*	63	52	-
	C. Gris Nez ...	29.84	59	SW	5	o	29.85	-.03	58	57	+2	SW	5	o	5	o	*	61	55	-
	Paris	29.97	60	SSE	2	bc	29.96	-.04	55	54	+3	S	2	c	*	bc	*	66	51	-
	Brest	29.77	59	SSW	3	f	29.80	-.06	58	58	-1	SW	1	o	4	f	*	61	55	-
	Lorient	29.87	62	S	5	o	29.86	-.07	60	59	+1	SW	4	f	3	o	*	66	57	-
	Rochefort	29.93	65	SE	2	b	29.98	-.04	61	59	-2	SE	3	bc	*	b	*	72	59	-
	Belfort	30.04	59	E	0	b	30.10	.00	47	44	+4	WSW	2	b	*	b	*	67	47	-
	Lyons	30.08	56	S	1	b	30.13	.00	?	?	?	S	1	b	*	b	*	66	46	-
	Nice	30.15	59	S	1	0	30.21	+.07	57	55	+2	E	0	c	0	0	*	66	55	-
	Perpignan	30.10	60	E	2	0	30.12	.00	60	59	+2	W	2	0	*	0	*	64	58	-
	Biarritz	29.90	64	S	2	bc	30.01	+.01	66	63	+7	SW	3	bc	3	bc.l	*	?	?	-
SPAIN & PORTUGAL.	Corunna																*			
	Lisbon	29.99	69	NNW	2	c	30.04	+.05	64	63	-2	NE	4	0	*	0	*	75	64	-
	Azores (P. Delgada)																*			

* *For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.0 hrs.

WEATHER CHARTS

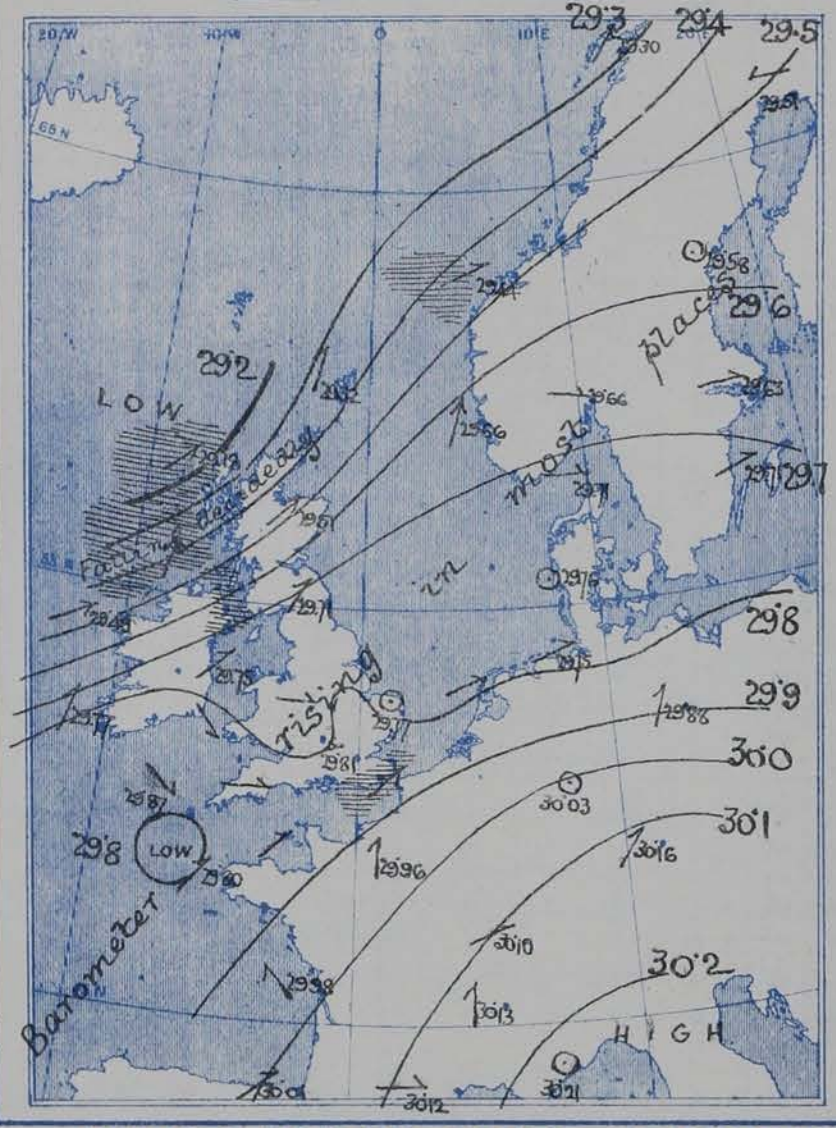
FOR Saturday, 28th October, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 : *Force 5 to 7* : } Calm ⊙
Force 8 to 10 : *Force 1 to 4* : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

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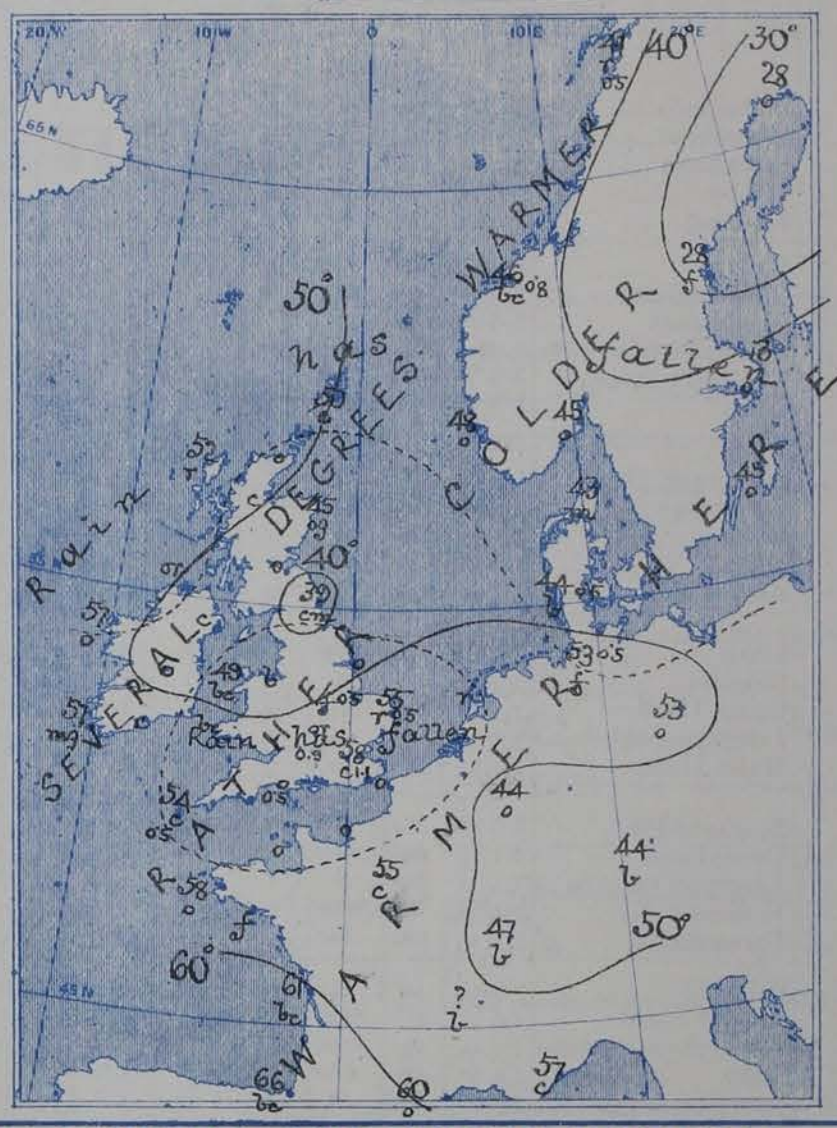
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins: and more to 30·0 ins: over the south of France, Switzerland, and the north of Italy.
Lowest, 29·2 ins: and less to 29·3 ins: off our extreme northwest coasts. There are also some extremely shallow (small) disturbances over the west of England and over Brittany.
Gradients rather steep in the north, slight and irregular in the south and southwest.
Barometer falling considerably in the north, slightly at Valencia, rising slightly in the southeast of England.

TEMPERATURE

Highest, 66° to 60° in the west of France, 60° at Dungeness, 57° at Valencia (Ireland), and above 50° in the north of Scotland.
Lowest, (1) 28° in the north of Sweden, 33° at Haparanda, 48° at Shoeburyness, 45° at Aberdeen, 47° over Central Ireland.
The maxima recorded yesterday exceeded 50° in Scotland, and 60° in the south of our Islands. The maximum at Paris was 66°, and a similar value at Lyons and Nice.

WIND.

S. to SW., strong in places over the northern and eastern parts of the Kingdom and in Norway.
SW. to NW., variable and light at our southern stations, S. to SE. in the southwest of France; S. and SW. over Germany.

WEATHER

Fair over England, cloudy generally and unsettled over Scotland and Ireland, unsettled generally.
A great deal of rain has fallen over the southern parts of England and a considerable quantity in Norway.
Bright Sunshine recorded yesterday was – at Aberdeen 7·2 hours, in Ireland (Valencia 3·2 hours), at the English stations none.

SEA

Rough in the extreme northwest, moderate in the west, slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 29th OCTOBER, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Wind mainly SW.; weather changeable and showery.
1 SCOTLAND EAST	
2 ENGLAND N.E	
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	Varying light breezes between SW and NW; weather very changeable, rain at times.
6 SCOTLAND WEST	Same as Nos 0 to 4.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Same as No 5
9 IRELAND NORTH	Same as Nos 0 to 4
10 IRELAND SOUTH	Same as No 5.
WARNINGS	NONE ISSUED

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.68	51	46	W	4	b	3
Sumburgh Head	29.52	48	46	W	4	o	4
Stornoway... ...	29.56	53	49	WSW	3	c	3
Aberdeen	29.67	52	47	SW	2	b	1
Shields	29.72	51	49	SW	2	o m	2
Malin Head ...	29.68	53	51	SW	2	b	2
Blacksod Pt.. ...	29.72	54	49	WNW	2	b	2
Holyhead	29.71	52	51	NNE	2	o p d	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.74	56	50	N	1	bc	3
Scilly	29.68	60	60	SSW	4	r	4
Jersey	29.87	61	59	SSE	3	o	3
Portland Bill ...	29.77	59	58	SSW	5	o r	5
Dungeness ...	29.81	60	59	SW	5	o p	4
London (Westminster)	29.76	61	59	SSW	3	o r	*
Yarmouth ...	29.72	59	58	SW	3	d	3
Rochefort ...	29.93	71	66	SE	3	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair over the Mediterranean, southern, and southeastern Europe, as well as in Scotland, rainy and dull in the south and southwest of our Islands, unsettled, but clearing over the north of Russia (with snow at Moscow), and raining in some parts of Norway. Considerable rain later over Scandinavia and the eastern shores of the North Sea, and large quantities over the south of England; fine over France generally, but lightning at Biarritz.

Temperature risen in England and France, fallen fast over Scotland and Ireland. Morning readings highest 73° at Algiers, 68° at Malta and Palermo, 60° at Naples, 59° over Brittany and at Scilly, 58° at Dungeness. Lowest (1) 15° at Archangel, 22° at St Petersburg, 27° at Moscow; (2) 28° at Lemberg and Buda Pesth, 34° at Munich; (3) 40° at Nairn, 42° at Blacksod and Donaghadee, 45° at Shields. Rising later to above 60° in the south of our Islands, air very humid

Wind (1) light and anticyclonic over the southern and central parts of Europe; very strong S^3 (cyclonic) over the Baltic and Finland, but W^3 over the greater part of Norway; (3) light over our Islands generally — W^1 to SW^2 in the north, S^2 to SW^2 in the east, variable and NW^1 in the south of Ireland. Backing at our northern stations later.

Barometer highest 30·2 ins: and more over southeastern Europe and Asia Minor and exceeding 30·0 ins: over southwestern, southern and central Europe, with a narrow ridge extending northwards to the eastern shores of the White Sea. Lowest (1) 29·7 ins: and less in a (decreasing) depression over the eastern parts of Russia; (2) 29·3 ins: and less over the northwestern parts of Scandinavia; (3) 29·7 ins: and less in a small shallow depression at the mouth of the Bristol Channel. A new disturbance beginning to approach our northwest coasts later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 29th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	29.51	35	2	0	0	29.35	−.16	34	33	+ 6	SW	2	0	•	0	•	37	28	—
	Hernösand	29.54	37	2	0	f	29.21	−.37	39	38	+ 11	S	6	0	•	f	•	41	23	0.12
	Stockholm	29.73	39	2	0	b	29.50	−.13	44	43	+ 1	SSW	2	0	•	b	•	46	39	0.08
	Wisby	29.78	41	W	4	b	29.65	−.06	46	45	+ 1	SW	6	0	•	b	•	46	37	—
	Karlstad	29.66	44	S	2	0	29.46	−.22	47	44	+ 14	SW	6	b	•	0	•	•	•	—
	Bodö	29.18	43	SW	4	0	28.95	−.35	40	37	− 1	E	2	bc	1	0	•	43	37	0.28
	Christiansund ...	29.17	49	WSW	3	c	28.98	−.46	44	43	− 2	WSW	9	r	6	c	•	52	45	0.20
	Skudesnaes ...	29.46	49	SW	8	r	29.58	−.08	49	46	+ 1	WSW	6	0	5	c, r	•	51	43	•
	Færder (X'iania Fjord)	29.60	49	SSW	6	c	29.47	−.19	50	45	+ 5	WSW	8	b	4	c	•	50	45	—
	The Scaw (Skagen)	29.69	48	SW	3	m	29.64	−.07	49	48	+ 6	W	4	m	1	m	•	50	43	0.04
	Fanö	29.78	51	SW	3	0	29.86	+.10	51	50	+ 7	SW	4	c	•	0	•	52	44	—
BRITISH ISLANDS	Sumburgh Head ...	28.97	48	SW	8	0	29.41	+.09	47	45	− 3	W	5	0	6	r, 0	•	50	42	0.35
	Stornoway	29.28	48	WNW	6	0	29.42	+.24	46	45	− 6	WSW	3	0	3	q, c, 0	1.1	52	42	0.45
	Wick	29.24	45	WNW	7	c	29.50	+.18	42	40	− 9	NW	2	0	2	c	•	53	37	0.02
	Nairn	29.39	48	W	5	bc	29.51	+.12	47	46	− 3	2	0	b	1	bc	•	58	43	0.04
	Aberdeen	29.42	49	SW	5	bq	29.56	+.05	48	47	+ 3	S	3	or g	3	cqr, bq	1.4	55	43	0.04
	Leith	29.55	49	W	3	b	29.56	−.07	50	48	+ 2	S	1	0	•	b	•	57	46	0.01
	Shields	29.63	55	SSW	3	m	29.69	−.02	52	51	+ 13	SSW	3	om	2	c, m	•	56	39	—
	Spurn Head ...	29.74	52	SSW	4	bc	29.86	+.10	54	52	+ 4	SW	3	c	2	bc	•	55	49	—
	Loughborough ...	29.86	55	W	4	0	29.91	+.11	56	54	+ 7	SSW	3	a	•	bc, 0, b, 0	•	59	49	—
	Malin Head ...	29.59	53	W	6	bcmq	29.58	+.17	53	53	+ 3	S	5	op	4	bcqm	•	55	48	0.15
	Blacksod Pt. ...	29.68	53	WNW	5	b	29.41	−.08	55	54	− 2	SSW	8	0	6	bc, b	•	57	45	0.39
	Donaghadee ...	29.69	53	SSW	2	c	29.58	−.07	54	54	+ 5	S	4	ogd	4	c	•	57	45	0.11
	Liverpool (Bidston)	29.78	56	SW	4	0	29.76	−.02	56	52	+ 8	SW	5	0	4	c, op	•	57	48	0.06
	Holyhead	29.79	57	SW	4	omp	29.76	+.01	57	55	+ 8	SW	5	om	4	c, omp.	•	57	46	0.01
	Parsonstown ...	29.80	52	SW	1	0	29.60	−.13	55	53	+ 8	SW	2	r	•	0, r	0.0	57	46	0.09
	Valencia	29.83	57	SSW	3	om	29.55	−.22	57	55	0	S	6	rm	5	omp, om	0.2	60	55	0.37
	Roche's Point ...	29.85	58	W	4	c	29.71	−.16	57	56	+ 3	SW	7	r	?	c	•	59	?	0.15
	Pembroke (St. Ann's Hd.)	29.89	59	WNW	5	0	29.85	+.02	57	52	+ 5	SW	6	0	5	0	5.4	59	52	—
	Scilly	29.98	59	WSW	4	cp	29.94	−.07	56	56	+ 2	SSW	6	r	4	c, cp	6.2	61	52	0.02
	Jersey (St. Aubin's) ...	30.03	56	WNW	3	bc	30.12	−.25	58	55	− 2	SW	4	0	3	rg, bc	•	62	55	0.03
	Portland Bill ...	29.97	57	NW	4	b	30.02	+.19	57	56	− 1	SW	4	0	4	b	•	59	55	—
	Dungeness	29.92	58	WSW	3	bc	30.04	+.22	58	57	− 2	WSW	4	c	3	c, bc	•	63	50	—
	London (Brixton) ...	29.92	55	W	2	bc	30.00	+.19	56	54	− 2	SW	2	0	•	bc	2.9	64	50	—
	Oxford	29.95	54	WSW	2	0	29.98	+.20	55	53	0	S	1	c	•	c, 0	•	58	52	—
	Yarmouth	29.82	54	WSW	3	bc	29.95	+.18	53	52	− 2	SW	3	c	2	bc, cm	•	57	50	0.01
GERMANY	Cuxhaven	29.82	52	2	0	f	29.93	+.18	51	51	− 2	SW	3	0	•	fd	•	55	48	0.12
	Berlin	29.92	57	S	2	0	30.02	+.14	56	55	+ 3	WSW	3	0	•	0	•	63	53	0.20
	Wiesbaden ...	•	•	•	•	•	30.14	+.11	51	51	+ 7	2	0	0	•	•	•	59	44	0.04
	Munich	30.19	53	2	0	bc	30.27	+.11	50	49	+ 6	SW	3	c	•	bc	•	66	44	0.04
FRANCE & NETHERLANDS	The Helder ...	29.83	56	SW	2	bc	29.97	+.17	55	54	− 1	SW	2	0	1	bc	•	57	54	0.04
	Brussels	•	•	•	•	•	30.13	+.23	51	50	− 5	SW	3	0	•	r	•	66	48	—
	C. Gris Nez ...	29.91	57	W	3	c	30.04	+.19	56	55	− 2	WSW	5	0	5	c	•	59	52	—
	Paris	30.03	62	SSW	2	0	30.20	+.24	47	46	− 8	S	1	m	•	0	•	66	46	—
	Brest	30.10	57	NW	2	b	30.04	+.24	58	55	0	SSW	3	c	3	b	•	59	54	—
	Lorient	30.13	57	N	3	b	30.14	+.28	54	52	− 6	S	3	bc	3	b	•	63	52	—
	Rochefort	30.08	61	NW	4	0	30.18	+.20	56	55	− 5	SE	2	bc	•	0	•	68	54	—
	Belfort	30.11	59	W	1	c	30.22	+.12	54	54	+ 7	W	3	0	•	c	•	?	?	0.20
	Lyons	30.17	59	S	1	c	30.27	+.14	54	54	?	SW	1	f	•	c, bbr	•	68	53	0.16
	Nice	30.21	56	2	0	b	30.27	+.06	58	56	+ 1	2	0	0	0	b	•	68	58	—
	Perpignan	30.16	65	NE	1	0	30.23	+.11	64	64	+ 4	2	0	0	•	0	•	71	60	—
	Biarritz	30.10	64	NNE	4	c	30.09	+.08	59	58	− 7	ESE	4	m	3	c	•	70	57	—
SPAN. PEN.	Corunna																•			
	Lisbon	30.10	62	NNE	3	b	30.13	+.09	65	63	+ 1	E	3	b	•	b	•	68	62	0.04
	Azores (P. Delgada)	30.12	66	SSW	4	0	30.08	−.08	66	63	+ 4	SSW	5	c	7	0	•	70	63	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

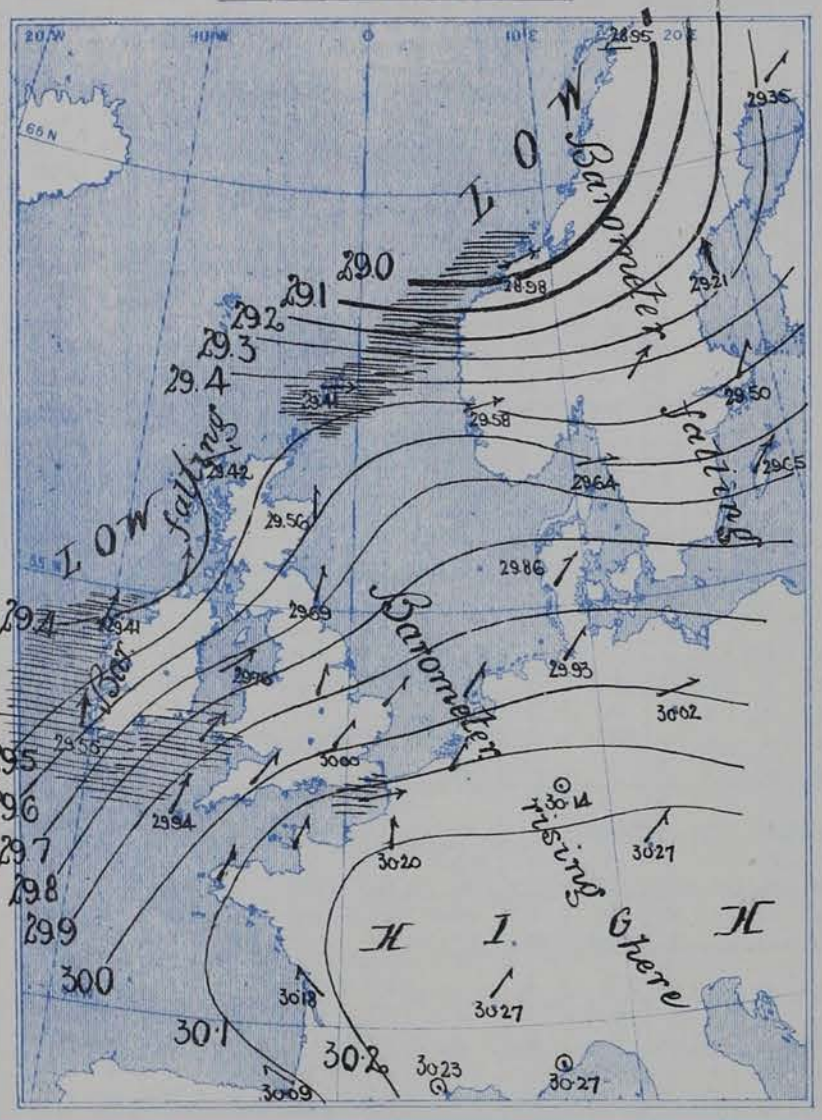
Bright Sunshine yesterday Southport 4.0 *hrs.*

WEATHER CHARTS

FOR Sunday, 29th October, 1899.

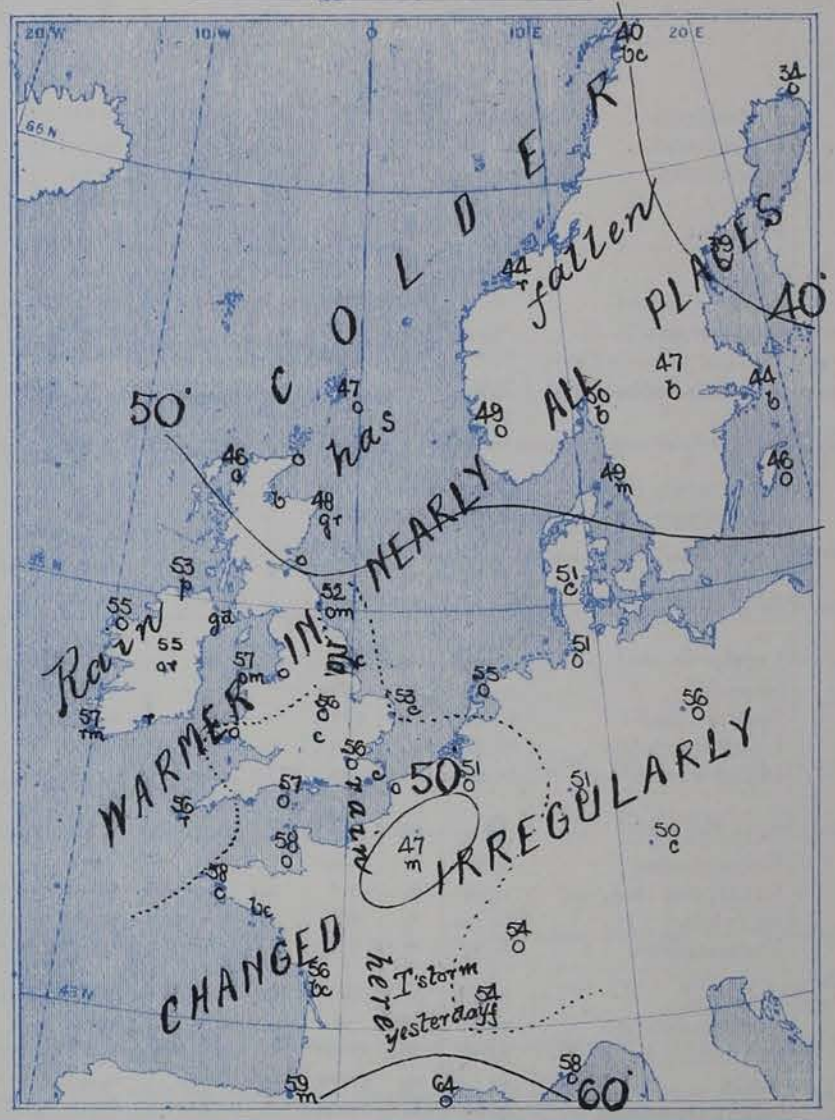
BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and more to 30·1 in: over France and the southern half of Germany.
Lowest, 29·0 in: and less, in a depression off the northwest coast of Norway; 29·4 in: and less in another approaching Scotland from the SW.
Gradients steep over Norway, and rather so and increasing over Ireland.
Barometer falling fast on our extreme western coasts.

TEMPERATURE

Highest 59° at Biarritz, 58° at Brest and Dungeness, 57° at Valencia, 56° at Scilly and Liverpool, 55° at the Helder and Belfast.
Lowest, (1) 34° at Haparanda, 40° at Bodö; (2) 46° at Stornoway, 48° at Aberdeen.
The maximum readings recorded yesterday exceeded 50° in all parts of our Islands, and were 58° at Aberdeen, 60° at Valencia, 64° in London, 66° at Paris, 71° at Nice. The night was warm generally.

WIND

Light and anticyclonic (SE. and SW to W) over France; Moderate SW over North Germany, Holland, and the southeast of England.
S to SW at our western stations and increasing in force.
SW (a gale) to S (strong breeze) to the eastward of the North Sea.

WEATHER

Fine in some parts of the north of Scotland and in the south of Scandinavia.
Dull over our Islands generally, rainy and unsettled in the west.
Considerable rain has fallen in the Shetlands and Hebrides, and a fresh fall has commenced in Ireland. A thunderstorm has occurred at Lyons.
Bright Sunshine recorded yesterday was 6·2 hrs at Scilly, 5·4 hrs at Pembroke, and 2·9 hrs in London, very little or none at the other stations.

SEA

Rough in the extreme north, rather so and rising in the west, slight to smooth in the east and south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 30th OCTOBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 9·30 am to districts 0, and 6 to 10 Hoist South Cone"

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.61	51	47	SW	6	c	4
Sumburgh Head	29.07	49	49	S	5	r	6
Stornoway... ...	29.10	50	48	WSW	8	c	8
Aberdeen	29.33	52	49	SW	6	cqu	4
Shields	29.62	52	48	SSW	2	c	2
Malin Head ...	29.49	54	52	W	7	bc	6
Blacksod Pt.. ...	29.64	55	50	WNW	5	bc	5
Holyhead	29.75	56	54	SW	4	cm	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.80	59	58	SW	4	omp	5
Scilly	29.96	60	57	SSW	4	c	4
Jersey	29.91	60	59	WSW	3	o	3
Portland Bill ...	29.90	58	55	NW	4	bc	4
Dungeness ...	29.85	61	60	WNW	4	c	4
London (Westminster)	29.8[illegible]	62	58	WSW	2	o	*
Yarmouth ...	29.78	59	56	WNW	2	cm	3
Rochefort ...	30.04	64	62	W	4	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine over the Mediterranean, southwestern, southern, and southeastern Europe, very changeable and unsettled over the British Islands and their neighbourhood, rainy and unsettled at Malin Head, Stornoway, Bodö and the Hilder. Considerable rainfall occurred later at several of our most western and northwestern stations, but fair warm weather in the southeast of England.

Temperature in morning highest (1) 73° at Algiers, 70° at Malta, 60° at Patras and Perpignan; (2) 61° at Rochefort, 60° at Jersey and Dungeness, 58° at Brest, Portland Bill and in London, 57° at Valencia. Lowest (1) 25° to 29° in the extreme north of Europe, 31° at Moscow (2) 32° at Kharkov, 34° at Kieff; (3) 39° at Shields. Rising later to 58° at Aberdeen, 57° in Ireland, and to 64° in London; to 66° at Paris and 71° at Lyons.

Wind light and variable (mainly anticyclonic over the southern half of Europe; variable in the north. SW to S and increasing over Scotland and Ireland, and already blowing force seven in the northwest of Ireland. Strong gales shifting from SW to NW in the most Nth parts of our Islands later, but wind continuing moderate in the south.

Barometer highest 30.3 ins: and more over southeastern Europe, and exceeding 30.1 ins: over the Mediterranean, the south of France and South Germany. Lowest 29.2 ins: and less, off the extreme northwest of the British Islands. (Gradients steep over Scotland and Ireland), and various small disturbances found over the North Sea, Wales, and at the mouth of the English Channel. The northern depression moving northeastwards later, the shallow disturbances mentioned above filling up.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 30th October, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.17	36	SW	0	r	29.10	-.25	36	35	+2	S	2	c	•	r	•	37	32	0.24
	Hernösand	29.38	39	SW	0	b	28.99	-.22	42	41	+3	E	4	f	•	b	•	45	32	0.28
	Stockholm	29.61	45	W	2	b	29.33	-.17	51	50	+1	SSW	6	o	•	b	•	52	36	0.12
	Wisby	29.75	48	W	8	o	29.52	-.13	50	49	+4	SW	8	o	•	o	•	50	37	0.12
	Karlstad	29.60	48	SW	2	o	29.23	-.23	50	50	+3	SW	6	o	•	o,r	•	•	•	0.16
	Bodö	28.95	39	E	2	c	28.95	.00	36	34	-4	E	2	b	1	c	•	40	36	0.12
	Christiansund ...	29.53	48	WSW	6	r	28.61	-.37	48	43	+4	WSW	9	r	6	r	•	48	41	0.51
	Skudesnaes ...	29.35	52	S	8	r	29.37	-.21	46	43	-3	NW	7	c	5	r	•	52	43	•
	Færder (X'iania Fjord)	29.58	51	SW	6	r	29.23	-.24	52	48	+2	SW	8	o	5	r	•	52	48	0.04
	The Scaw (Skagen)	29.63	50	SW	4	r	29.39	-.25	49	47	0	W	4	m	1	r	•	52	48	0.32
	Fanö	29.75	53	SW	6	o	29.50	-.36	52	52	+1	SW	6	r	•	o	•	54	51	0.08
BRITISH ISLANDS	Sumburgh Head ...	28.90	49	SE	4	r	29.29	-.12	44	42	-3	W	4	bc	6	r	•	49	40	0.29
	Stornoway	28.97	44	NNW	9	o	29.39	-.03	40	39	-6	WNW	3	c	3	or.o	0.0	54	37	0.95
	Wick	28.82	54	W	7	b	29.42	-.08	40	38	-2	NW	8	b	2	b.q	•	56	37	0.04
	Nairn	28.92	57	WSW	5	r	29.47	-.04	40	39	-7	WSW	3	b	1	r	•	59	34	0.09
	Aberdeen	29.02	57	SSW	9	ogq	29.52	-.04	41	38	-7	SW	1	bmw	3	ogq	0.1	58	37	0.07
	Leith	29.18	56	SW	5	o	29.57	+.01	43	40	-7	WSW	3	b	•	o	•	59	41	0.08
	Shields	29.35	56	SW	4	c	29.59	-.10	44	42	-8	W	3	c	2	c.r	•	58	43	0.02
	Spurn Head ...	29.59	56	SSW	7	r	29.59	-.27	56	55	+2	NNW	5	r	3	r	•	57	45	0.31
	Loughborough ...	29.68	56	SSW	6	o	29.67	-.24	45	44	-11	NW	1	om	•	oq,ogr	•	60	45	0.59
	Malin Head ...	29.31	49	WNW	7	cq	29.57	+.19	45	44	-8	SW	6	cqp	5	cq	•	58	43	0.14
	Blacksod Pt. ...	29.54	49	NW	6	c	29.66	+.25	45	42	-10	NW	5	bcp	4	c	•	59	43	0.37
	Donaghadee ...	29.36	56	WNW	5	c	29.68	+.10	39	38	-15	SW	3	b	3	c	•	57	37	0.06
	Liverpool (Bidston)	29.56	56	SSE	3	o	29.70	-.06	47	45	-9	WNW	1	r	2	o,r	•	58	45	0.58
	Holyhead	29.49	56	SW	7	rqm	29.72	-.04	48	45	-9	NW	3	bc	3	qmr	•	57	45	0.80
	Parsonstown ...	29.55	50	NW	1	o	29.76	+.16	39	37	-16	NE	1	b	•	oaq	0.0	58	38	0.11
	Valencia	29.60	52	NW	4	oqm	29.83	+.28	50	45	-7	WSW	4	c	5	oqm	0.0	59	46	0.37
	Roche's Point ...	29.56	57	NW	5	r	29.82	+.11	46	43	-11	NNW	3	bc	3	r	•	58	43	0.75
	Pembroke (St. Ann's Hd.)	29.58	56	SW	7	r	29.75	-.10	51	46	-6	NW	4	bc	5	or	0.0	57	46	0.85
	Scilly	29.71	58	SSW	6	oa	29.78	-.16	52	48	-4	NW	4	c	4	oa	0.0	60	48	0.62
	Jersey (St. Aubin's) ...	29.95	59	S	4	oq	29.75	-.27	60	59	+2	SSW	5	rm	4	oq	•	60	56	0.17
	Portland Bill ...	29.86	58	SSW	5	op	29.71	-.31	56	55	-1	NNW	6	o	6	op	•	59	49	0.20
	Dungeness	29.90	57	WSW	6	c	29.63	-.41	59	59	+1	WSW	7	r	6	c	•	60	56	0.07
	London (Brixton) ...	29.84	55	SW	4	o	29.63	-.37	51	50	-5	NNW	3	o	•	c.oqr	0.7	61	51	0.31
	Oxford	29.71	58	SSW	3	o	29.69	-.29	45	44	-10	NNW	4	oq	•	oq.r	•	60	45	0.42
	Yarmouth	29.77	57	SW	4	c	29.59	-.36	49	48	-4	N	5	qr	5	c	•	59	47	0.44
GERMANY.	Cuxhaven	29.92	54	SW	4	o	29.63	-.30	53	52	+2	SSW	5	o	•	o	•	55	48	0.04
	Berlin	30.05	55	SW	1	bc	29.88	-.14	50	49	-6	SW	2	c	•	bc	•	61	48	-
	Wiesbaden	•	•	•	•	•	29.96	-.18	53	52	+2	SW	2	o	•	•	•	63	46	0.04
	Munich	30.25	49	W	0	b	30.17	-.10	46	45	-4	SSW	1	bc	•	b	•	63	43	0.04
FRANCE & NETHERLANDS.	The Helder ...	29.85	55	SSW	4	c	29.58	-.39	55	54	0	SW	5	r	3	c	•	57	54	0.12
	Brussels	•	•	•	•	•	29.79	-.34	59	57	+8	SW	6	r	•	c	•	59	51	0.04
	C. Gris Nez ...	29.93	55	SW	6	c	29.68	-.36	58	57	+2	SW	6	o	6	c	•	57	54	-
	Paris	30.09	57	S	2	o	29.92	-.28	60	57	+13	SSW	4	o	•	o	•	63	47	-
	Brest	29.92	59	SSW	1	o	29.77	-.27	54	53	-4	N	4	r	5	o	•	59	?	0.28
	Lorient	29.98	61	SSW	5	•	29.84	-.30	60	60	+6	SW	5	?	4	o	•	63	54	0.04
	Rochefort	30.09	63	SW	3	c	30.00	-.18	62	57	+6	SE	3	o	•	c	•	70	54	-
	Belfort	30.15	57	W	1	bc	30.07	-.15	55	53	+1	W	1	c	•	bc	•	62	50	-
	Lyons	30.20	58	SE	1	b	30.15	-.12	55	53	+1	S	1	bc	•	b.r	•	67	53	-
	Nice	30.26	59	E	2	o	30.22	-.05	66	58	+8	E	0	c	0	o	•	66	57	-
	Perpignan	30.21	65	E	2	o	30.16	-.07	59	59	-5	NW	1	f	•	o	•	72	57	-
	Biarritz	30.04	77	SE	3	b	30.01	-.08	70	62	+11	S	4	bc	3	b	•	77	59	-
SPAN. PEN.	Corunna																•			
	Lisbon														•		•			
	Azores (P. Delgada)																•			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

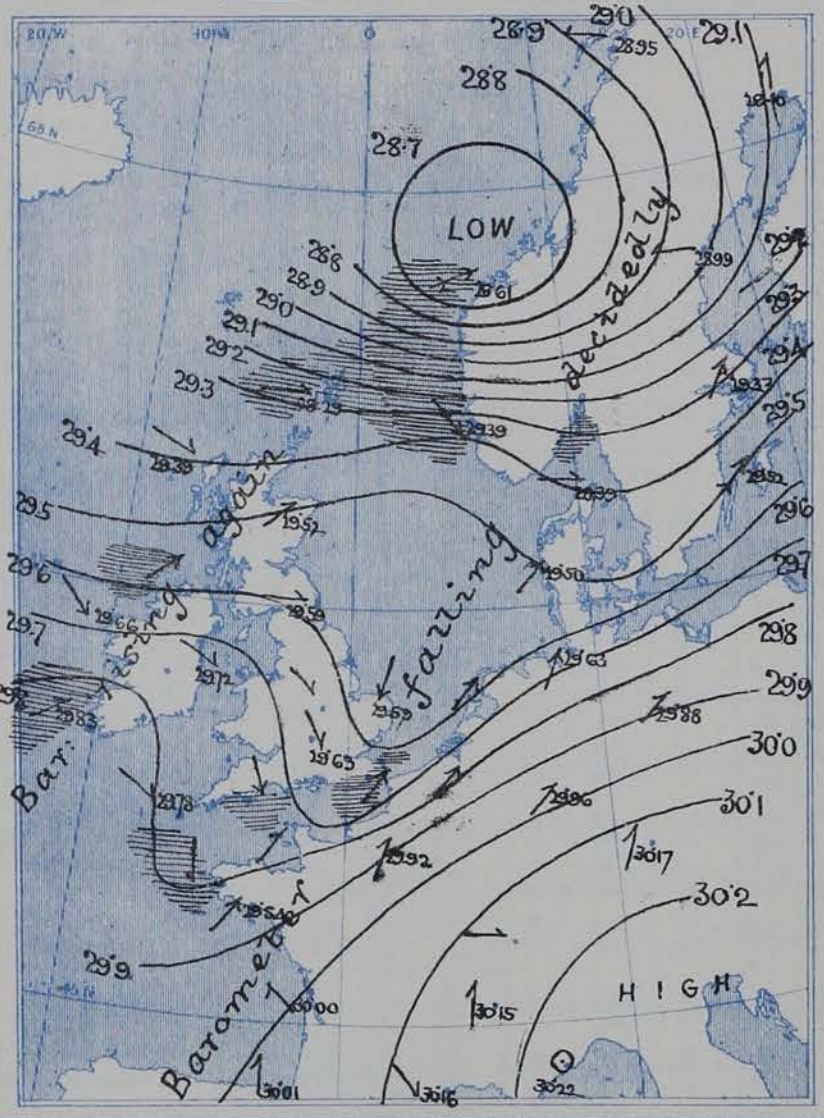
Bright Sunshine yesterday Southport 9.0 hrs.

WEATHER CHARTS

FOR Monday, 30th October, 1899.

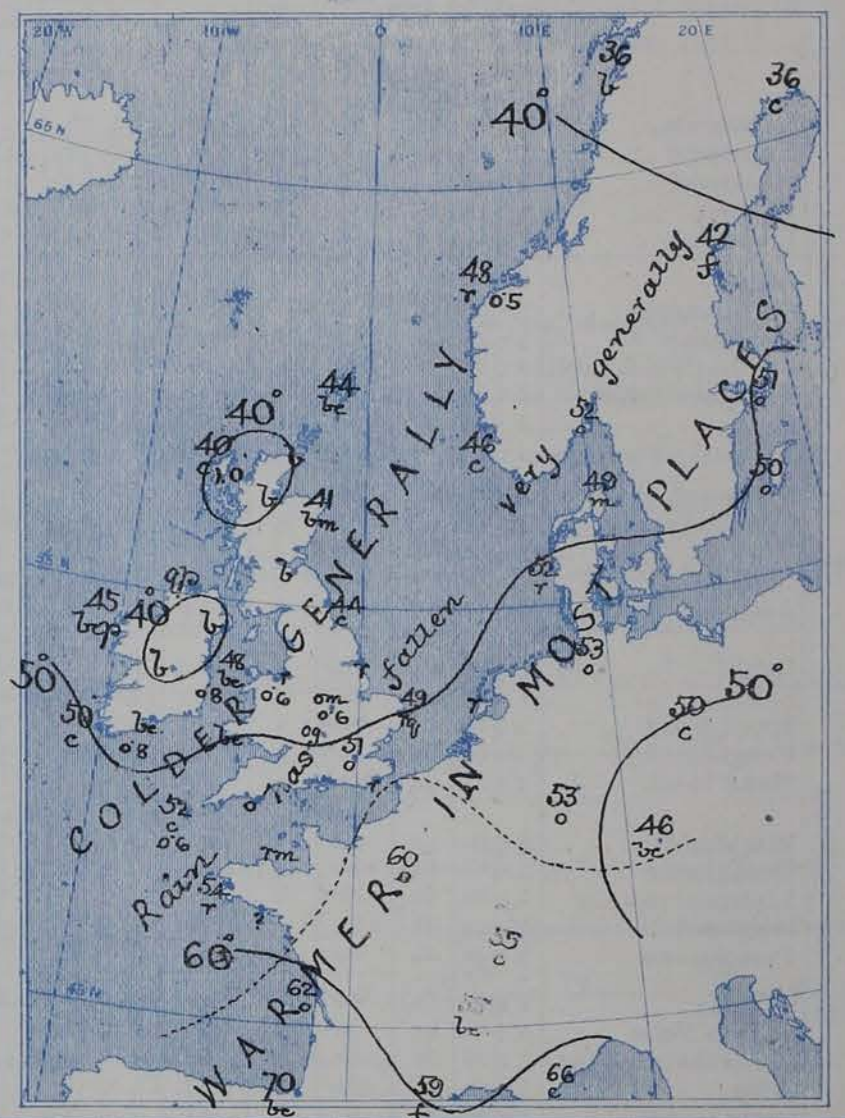
BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3 *	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and more to 30·1 in: in the extreme southeast of France and over Switzerland
Lowest, 28·6 in: and less, in a depression whose central area lies over the northwest of Norway, and 29·6 in: to 29·8 in: in a V shaped secondary over the east and south of England.
Gradients varied greatly in different localities, they were steep over Scandinavia, and also over Holland and the north of France, slight over Ireland & England.
Barometer rising fast at our western and southwestern stations.

TEMPERATURE

Highest, (1) 70° at Biarritz, 60° at Paris, 59° at Dungeness, 52° at Scilly; (2) 52° at Sandwick and 51° at Stockholm.
Lowest, 36° at Haparanda and Bodö, 46° at Shetlandnaes; (2) 40° to 44° at the Scotch stations; (3) 39° at Donaghadee and Parsonstown.
The changes in the past day have been very sudden and considerable in our Islands.

WIND

(1) SW³, moderate over France and Germany; NW³, rather stronger, over Ireland and England.
(2) W³, moderate at the Scotch stations, cyclonic S³ to SW³ and NW³ over Scandinavia and blowing hard in many places.
A strong SW³ to NW³ gale was felt in Scotland last evening, and a strong NW³ squall passed over London at 7·25 a.m. today.

WEATHER

Fine over southern France and temporarily so at our western stations, very unsettled elsewhere, and raining in many places.
Rain has fallen very generally in our Islands — heavily in Wales. In Norway and Sweden also there have been considerable falls.
Bright Sunshine yesterday was scarcely noticeable over our Islands, the largest amount reported was 1 hr: at Worthing.

SEA

Rough in most places round our coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A temporary improvement in the weather is now probable, but an early renewal of S³ and SW³ winds is indicated.

FORECASTS

For the 24 hours ending at NOON on 31ST OCTOBER 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W²⁴ to S²⁴ winds, increasing in force; fine at first, rainy later.
1 SCOTLAND EAST	
2 ENGLAND N.E	
3 ENGLAND EAST	NW²⁴ to SW²⁴ winds; temporarily finer, not settled.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Wind backing to the S²⁴ again; fair at first, rainy and unsettled later.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	The SOUTH CONE is still flying in districts 0 and 6 to 10.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.66	51	46	NSW	4	0	4
Sumburgh Head							
Stornoway... ...	28.96	52	52	S	4	2	4
Aberdeen							
Shields							
Malin Head ...	29.03	56	56	SSW	7	c	6
Blacksod Pt.. ...	29.32	51	49	NW	7	c	6
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA
Valencia							
Scilly							
Jersey	30.04	57	54	S	4	0	3
Portland Bill ...							
Dungeness ...	29.96	58	57	NSW	6	c	5
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.15	66	63	SE	1	0	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 22ND TO THE 28TH OCTR. 1899.

During the earlier days of this week the weather over the southern and western countries of Europe remained anticyclonic and very quiet, the only cyclonic systems which appeared coming over the most northern countries from the Atlantic and advancing southeastwards to Russia – so that the Baltic and Russia had a good deal of rough weather, while the British Islands and France had bright or foggy weather, and a great deal of dew at night.

On Wednesday, however, pressure began to give way decidedly at our western and northwestern stations, and the anticyclone which had till then dominated the weather over our Islands began to move southeastwards. By Thursday depressions of considerable size were beginning to appear in the north, and shallow secondaries were advancing over Ireland towards England; these increased in number during the next day or two, and, except over southern Europe very rough and unsettled weather became prevalent, with large quantities of rain locally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly, " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 31st October, **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	28.65	35	SW	6	o	28.91	−.19	33	32	− 3	W	4	bc	•	o	•	37	32	0.79
	Hernösand	29.08	42	W	6	b	29.27	+.28	37	32	− 5	SW	2	bc	•	b	•	54	30	—
	Stockholm	29.33	48	WSW	2	o	29.52	+.19	37	36	− 14	SW	2	b	•	o	•	54	37	—
	Wisby	29.41	47	WNW	4	r	29.62	+.10	44	42	− 6	WNW	4	bc	•	r	•	50	37	0.04
	Karlstad	29.39	42	Z	0	b	29.49	+.26	43	41	− 7	SW	4	r	•	b	•	•	•	—
	Bodö	28.92	40	SW	4	o	29.03	+.08	37	36	+ 1	SW	6	r	3	o	•	45	34	0.43
	Christiansund ...	29.21	44	WSW	4	r	29.18	+.57	41	38	− 7	W	6	r	6	r	•	48	37	0.47
	Skudesnaes ...	29.50	46	SSW	4	bc	29.36	−.01	46	42	0	W	8	c	5	bc	•	48	41	•
	Færder (X'iania Fjord)	29.42	47	W	6	b	29.40	+.17	48	44	− 4	WSW	6	o	4	b	•	52	46	—
	The Scaw (Skagen)	29.54	47	NW	5	b	29.54	+.15	44	42	− 5	SW	5	m	1	b	•	50	43	0.08
	Fanö	29.73	45	NW	2	b	29.69	+.19	45	43	− 7	SW	6	c	•	b, t	•	54	45	0.32
BRITISH ISLANDS.	Sumburgh Head ...	29.27	42	SW	4	r	29.17	−.12	44	41	0	WNW	7	o	6	bc, r	•	46	39	0.56
	Stornoway	29.32	40	W	5	o	29.59	+.20	41	39	+ 1	NW	4	c	4	c, o	3.8	45	37	0.20
	Wick	29.36	43	NW	4	bc	29.49	+.07	41	40	+ 1	NW	6	ohp	3	bc	•	47	37	0.40
	Nairn	29.42	40	W	1	bc	29.59	+.12	40	39	0	W	1	bc	1	bc	•	48	35	0.05
	Aberdeen	29.48	42	SW	3	c	29.60	+.08	42	38	+ 1	WSW	3	b	2	bcq, c	7.2	51	33	—
	Leith	29.56	42	WSW	2	o	29.69	+.12	40	38	− 3	SW	3	b	•	o, tthp	•	52	38	0.14
	Shields	29.68	45	WSW	3	b	29.69	+.10	40	39	− 4	WSW	4	bc	2	bc, b, q, r	•	53	38	0.03
	Spurn Head ...	29.77	47	WSW	3	b	29.84	+.25	43	42	− 13	WSW	5	c	3	b, q	•	56	40	0.11
	Loughborough ...	29.84	44	WSW	2	b	29.93	+.26	44	41	− 1	S	4	bq	•	bc, c, bq	•	54	41	—
	Malin Head ...	29.56	44	WSW	6	cqrh	29.76	+.19	46	45	+ 1	WNW	5	bcp	5	bc, rhq, tt	•	48	38	0.44
	Blacksod Pt. ...	29.74	45	WNW	7	oqrh	29.86	+.20	49	44	+ 4	WNW	5	bc	4	cqrh, ot	•	50	41	0.27
	Donaghadee ...	29.67	45	SSW	3	bc	29.84	+.16	41	39	+ 2	W	3	b	3	bc, t	•	50	38	0.12
	Liverpool (Bidston)	29.79	46	SW	3	c	29.87	+.17	48	44	+ 1	WSW	7	bc	5	c, t	•	52	43	0.02
	Holyhead	29.78	49	W	4	bc	29.93	+.21	48	44	0	W	6	bc	4	c, bc	•	52	44	—
	Parsonstown ...	29.84	43	W	2	c	29.98	+.22	42	41	+ 3	W	1	bc	•	p, c	6.5	50	38	0.39
	Valencia	29.93	51	W	5	cq	30.05	+.22	53	49	+ 3	WSW	5	o	6	bphq, cq	6.6	53	45	0.31
	Roche's Point ...	29.93	48	WNW	2	b	30.07	+.25	48	46	+ 2	W	2	bc	3	b	•	54	45	—
	Pembroke (St. Ann's Hd.)	29.89	50	W	5	c	30.02	+.27	53	48	+ 2	WNW	6	cq	5	c	7.1	53	49	—
	Scilly	29.94	54	NW	4	c	30.13	+.35	55	51	+ 3	WNW	5	c	4	cp, c	5.0	56	48	0.05
	Jersey (St. Aubin's) ...	29.94	54	NW	3	c	30.18	+.43	54	48	− 6	WNW	3	b	3	r, cq	•	60	50	0.26
	Portland Bill ...	29.91	53	NW	3	c	30.09	+.38	52	48	− 4	WNW	5	b	5	c	•	56	48	0.01
	Dungeness	29.88	48	NNW	2	o	30.06	+.43	48	46	− 11	WNW	4	b	3	o	•	60	44	0.22
	London (Brixton) ...	29.89	46	NW	2	b	30.06	+.43	45	43	− 6	WSW	3	b	•	gr, o, bw	0.7	51	39	0.08
	Oxford	29.92	44	W	2	b	30.03	+.34	43	41	− 2	SW	2	b	•	c, b	•	53	40	—
	Yarmouth	29.80	46	WSW	2	bc	29.91	+.32	46	43	− 3	WSW	4	b	3	c, bc	•	50	39	0.02
GERMANY.	Cuxhaven	29.58	51	N	5	o	29.81	+.18	45	44	− 8	SW	4	o	•	oq, r	•	55	43	0.24
	Berlin	29.73	59	SW	4	r	29.88	.00	48	46	− 2	W	2	o	•	r	•	63	46	0.04
	Wiesbaden	•	•	•	•	•	30.01	+.05	50	48	− 3	N	3	o	•	•	•	59	48	0.39
	Munich	30.06	51	SE	1	b	30.01	−.16	52	49	+ 6	SSW	2	c	•	b	•	64	46	—
FRANCE & NETHERLANDS.	The Helder ...	29.78	52	NNW	2	bc	29.88	+.30	50	45	− 5	WSW	3	b	3	bc	•	55	50	0.16
	Brussels	•	•	•	•	•	30.08	+.29	43	43	− 16	SW	1	b	•	o	•	60	42	0.32
	C. Gris Nez ...	29.89	49	N	2	o	30.02	+.34	50	46	− 8	NW	5	o	5	o	•	59	46	0.28
	Paris	29.90	54	NW	3	r	30.13	+.21	46	46	− 14	SSW	1	c	•	r	•	64	46	0.28
	Brest	29.99	52	NNW	2	o	30.21	+.44	57	48	+ 3	NNW	1	bc	2	o	•	59	46	—
	Lorient	29.99	54	N	4	c	30.21	+.37	51	50	− 9	N	3	c	5	c	•	63	41	?0.20
	Rochefort	29.94	61	SW	4	r	30.10	+.10	52	50	− 10	NE	4	o	•	r	•	64	50	0.35
	Belfort	29.97	61	W	2	o	?	?	55	55	0	W	5	r	•	o	•	70	55	0.20
	Lyons	30.05	61	SSW	3	o	30.03	−.12	57	57	+ 2	SSW	1	r	•	o	•	68	55	0.12
	Nice	30.15	59	Z	0	o	30.11	−.11	54	53	− 12	E	2	b	0	o	•	66	54	—
	Perpignan	30.08	65	E	2	o	30.05	−.11	57	57	− 2	SW	1	o	•	o	•	72	55	—
	Biarritz	29.98	67	NW	2	o	30.03	+.02	60	59	− 10	SSE	1	r	4	o, t	•	77	59	0.47
SPAN. PEN.	Corunna																•			
	Lisbon	30.09	66	WSW	4	o	30.03	−.13	63	61	− 2	Z	0	o	•	o	•	72	63	0.59
	Azores (P. Delgada)																•			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

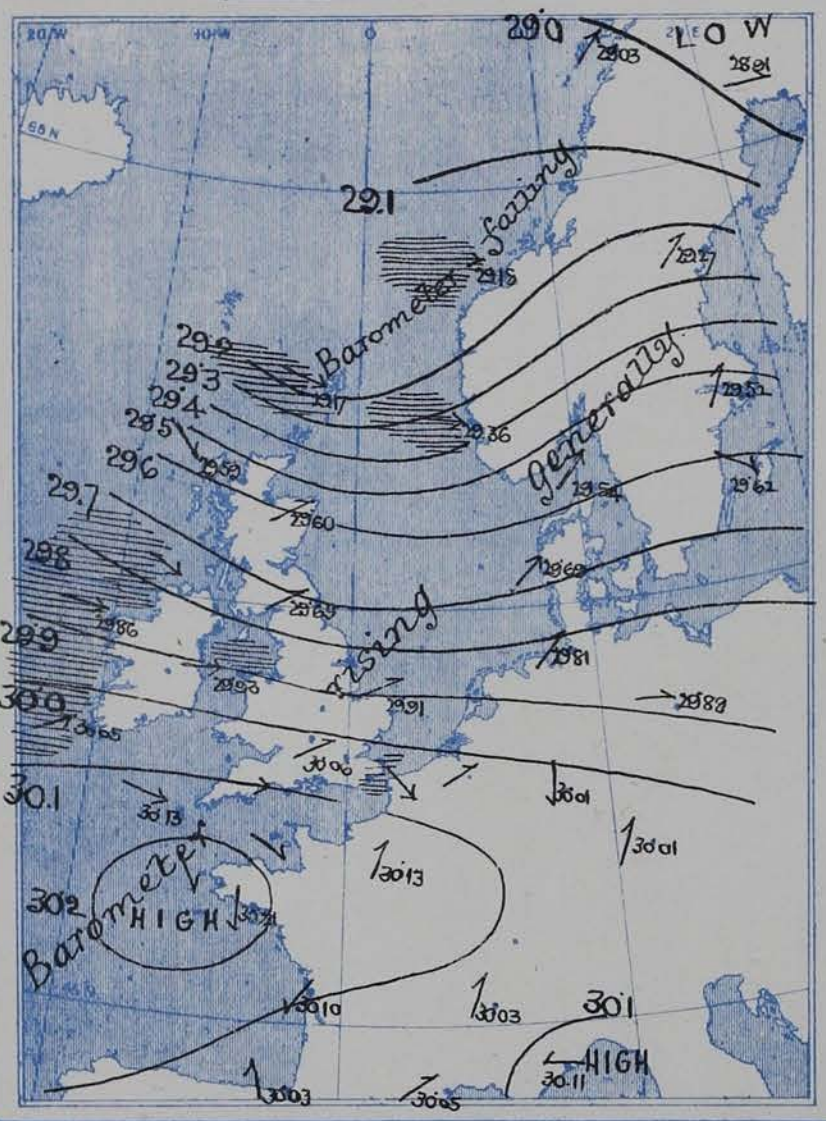
Bright Sunshine yesterday Southport 6·6 *hrs.*

WEATHER CHARTS

FOR Tuesday, 31st October, 1899.

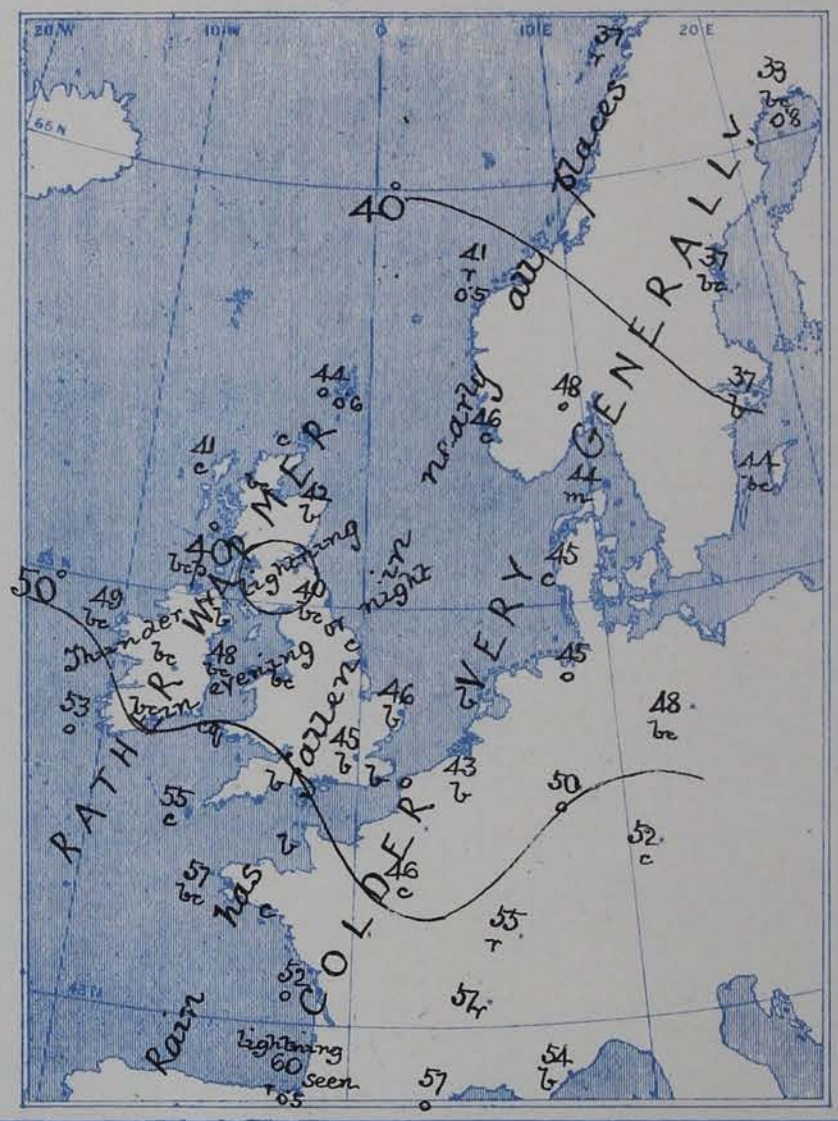
BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.21 ins. at Lorient; 30.0 ins. and upwards in an anticyclone extending from France and Belgium over the S.rn parts of the United Kingdom.
Lowest 29.0 ins. and less in a depression over the N. of Scandinavia; 29.2 ins. and less in a secondary disturbance a little to the N.wd of the Shetlands.
Gradients steep over the S. of Scandinavia and the N.rn parts of the North Sea, but moderate or slight elsewhere. Barometer rising over W.rn Europe as a whole, but falling in the W. of Norway and also in the S. of France.

TEMPERATURE

Highest 60° at Biarritz, 57° at Brest, Lyons and Perpignan, and 55° at Scilly and Belfort.
Lowest 33° at Haparanda, 37° at Bodö, Hernösand and Stockholm; lowest in our Islands 40° at Nairn and Shields.
The maxima registered yesterday were below 55° at all but the English Channel stations, and below 50° on our extreme N. and NW. coasts.

WIND

Fresh to strong from the W.wd on our western and southern coasts, and from the NW.ly in the north of Scotland, moderate from the SW.wd on the east coasts of Gt. Britain.
W.ly or SW.ly over Scandinavia, Denmark and north Germany, with a gale at Skudesnaes.
Variable or light from the S.wd over the southern parts of France and Germany.

WEATHER

Fine over the greater part of the United Kingdom, but showery at one or two of our extreme N.rn and NW.rn stations, with hail at Wick.
Cloudy or dull at most of the Continental stations, with rain in the W. of Norway and at Karlstad, as well as at Belfort, Lyons and Biarritz.
Rain fell yesterday in nearly all parts of our area, the largest amounts being 0.8 in. at Haparanda, and 0.6 in. at Lunderugh H. Thunder and lightning occurred last evening or night over the N.rn parts of England and Ireland, and lightning was also seen at Biarritz.

SEA

Rough or rather so on many parts of our W.rn, S.rn and extreme N.rn coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed in our neighbourhood yesterday have passed away to the E.wd, and an anticyclone has spread over the S. of our Islands. The appearance is still rather unsettled but there are at present no distinct indications of the approach of any new disturbance.

FORECASTS

For the 24 hours ending at NOON on 1ST NOVEMBER 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Strong NW.ly winds moderating and backing later, changeable, some cold showers.
1 SCOTLAND EAST	W.ly and SW.ly winds moderate, fine at first, doubtful later, probably some showers.
2 ENGLAND N.E.	
3 ENGLAND EAST	W.ly and SW.ly winds, moderate; fair, cool.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	W.ly to SW.ly winds, strong in places; fine at first, some rain later.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.46	48	43	WNW	6	bc	5
Sumburgh Head	29.31	43	42	W	3	bc	5
Stornoway... ...	29.34	45	42	WSW	4	o	4
Aberdeen	29.49	50	43	SW	4	bcq	3
Shields	29.65	51	45	WSW	3	bc	2
Malin Head ...	29.57	45	44	WSW	6	bc	6
Blacksod Pt.. ...	29.70	49	44	W	6	cqrh	5
Holyhead	29.77	52	46	W	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.87	52	46	WSW	5	bcphq	6
Scilly	29.90	54	49	SSW	4	cp	4
Jersey	29.87	56	51	WNW	4	o	3
Portland Bill ...	29.86	54	50	NW	3	c	3
Dungeness ...	29.98	50	49	NNE	4	o	4
London (Westminster)	29.80	51	47	NW	3	bc	*
Yarmouth ...	29.72	49	46	NW	5	c	4
Rochefort ...	29.98	63	61	WSW	4	r	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine in the W. and N. of our Islands generally, but showery in the NW. of Ireland; dull over the greater part of England, with rain on our E. and SE. coasts, and also at Liverpool. Cloudy or dull over all but the Sn. parts of the Continent, with rain over the Netherlands as well as at Christiansund, Faro and Kuopio. Weather improving later over England and the neighbouring parts of the Continent, but heavy showers falling at several of the Irish and Scotch stations. Thunder and lightning occurring over the Nn. parts of England and Ireland.

Temperature risen over the Wn. and Nn. parts of the Continent, but fallen elsewhere, – briskly over Ireland and central England. Morning readings highest 70° at Biarritz and Algiers, and 69° at Malta and La Galle, above 65° at several of the Mediterranean stations. Lowest (1) 23° at Archangel, and 36° at Haparanda, Ulealong, Kuopio and Moscow; (2) 30° at Hermanstadt; (3) 39° at Donaghadee and Parsonstown. Daily maxima below 55° in all but the most Sn. parts of our Islands, and below 50° on our extreme N. and NW. coasts. Thermometer exceeding 70° in the S. of France and reaching 77° at Biarritz.

Wind moderate to strong from the NWwd. over England and the W. and S. of Ireland, light to moderate from the Wwd. in Scotland; strong to a gale from the same quarter in the west of Norway. Light to fresh from the SWwd. or Swd. over France, the Netherlands, Germany and Denmark and strong to a gale from the SWwd. in the south of Sweden. Light and variable over southern and eastern Europe generally. Subsequently backing to the Wwd. at some of the English stations; no important change occurring elsewhere.

Barometer highest 30.3 ins. and upwards over Ewn. Austria; 30.1 ins. and upwards in an anticyclone covering nearly the whole of Swn. and SEwn. Europe. Lowest 28.7 ins. and less in a deep depression with its centre a little to the N. of Christiansund; a series of "V" shaped secondary disturbances lying over the North Sea and England. Main and secondary disturbance subsequently moving Ewds., and barometer rising in nearly all parts of Wn. Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 "

REPORTS FOR OCTOBER 1899.

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.					Ins.	Ins.	°	°	°									Ins.
1	Skudesnaes 2pm	-	-	-	-	-	29·63	-	53	46	-	NE	4	c	3	-	-	-	-	-
2	Dungeness	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-
3	Leith	29·70	-	-	-	-	-	-	-	-	-	NEW	-	-	-	-	-	-	-	-
"	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5·2	-	-	-	-
6	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·06
9	Shields	-	-	-	-	-	-	-	49	46	- 3	-	-	-	-	-	-	-	-	-
10	Shields	-	-	-	-	-	-	-	-	-	+ 4	-	-	-	-	-	-	-	46	-
"	Spurn Head	-	-	-	-	-	30·20	-·13	-	-	-	-	-	-	-	-	-	-	-	-
"	Pembroke	-	-	-	-	-	-	-	55	-	0	-	-	-	-	-	-	-	-	-
"	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-
11	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
12	Blacksod Pt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	? 47	-
"	Pembroke	?29·76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·29
"	Blacksod Pt 2pm	-	-	-	-	-	30·03	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Shields	-	-	-	-	-	-	-	-	-	-	NW	-	-	-	-	-	-	-	-
"	Blacksod Pt	30·03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Scarborough Ha.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-
"	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-
"	Jersey	30·05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Loughborough	-	-	-	-	-	30·01	-·23	-	-	-	-	-	-	-	-	-	-	-	-
18	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3·3	-	-	-
19	Roche's Point	-	-	-	-	-	30·30	+·13	-	-	-	-	-	-	-	-	-	-	-	-
21	Pembroke	30·29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	London	-	-	-	-	-	30·40	+·01	-	-	-	-	-	-	-	-	-	-	-	-
22	Dungeness	-	-	-	-	-	30·39	+·02	-	-	-	-	-	-	-	-	-	-	-	-
23	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-
"	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-
"	Holyhead	-	-	-	-	-	-	-	52	50	+ 1	-	-	-	-	-	-	-	-	-
"	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-
24	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
25	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
"	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3·1	-	-	-
"	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·1	-	-	-
"	Blacksod 2pm	-	-	-	-	-	30·03	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·19
"	Pembroke	-	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	? 51	-
27	Valencia	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-
"	Jersey	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-
29	Malin Head	-	-	-	-	-	29·38	-·03	-	-	-	-	-	-	-	-	-	-	-	-
"	Roche's Point	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	54	-
"	Pembroke	-	-	-	-	-	-	-	-	56	-	-	-	-	-	-	-	-	-	-

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins	Ins.	°	°	°									Ins.
1	Stornoway	-	-	-	-	-	29.73	-.10	52	50	+4	E	4	0	4	0	6.9	55	46	0.05
..	Corunna	29.62	66	SSW	6	0	29.90	+.02	63	?	+4	SW	4	0	4	0	-	70	59	?
2	Stornoway	29.70	53	E	5	6	29.72	-.01	47	44	-5	NNW	3	0	3	6	7.8	57	41	-
-	The Helder	29.51	55	SSE	1	r	29.50	-.12	55	-	+8	SSW	5	bc	2	r	-	57	46	0.39
..	Corunna	29.65	62	W	5	0	29.98	+.08	57	55	-6	SW	3	c	5	0	-	68	54	-
3	Stornoway	29.59	50	NW	4	0	29.17	-.55	52	53	+7	WSW	6	r	6	0	2.4	54	43	0.45
..	Corunna	30.04	63	NW	4	6	30.17	+.09	62	58	+5	N	1	f	4	6	-	64	57	-
4	Stornoway	-	-	-	-	-	29.66	+.49	46	44	-8	NNE	5	0	5	0	-	56	40	0.50
..	Corunna	30.08	69	NE	5	6	29.93	-.24	58	54	-4	NE	1	f	3	6	-	70	52	-
5	Stornoway	-	-	-	-	-	30.14	+.48	39	37	-7	WNW	3	0	3	c	2.2	48	33	0.12
..	Corunna	29.85	66	NE	1	f	29.90	-.03	64	61	+6	SE	1	r	2	f	-	70	58	0.39
6	Stornoway	-	-	-	-	-	30.07	-.07	48	47	+9	WSW	3	0	3	r	2.9	50	36	0.05
7	Nice	29.98	65	E	1	f	29.79	-.23	63	-	0	E	2	r	1	f	-	72	63	0.63
..	Corunna	29.89	67	S	3	r	29.97	-	64	60	-	S	3	bc	3	r	-	72	59	0.08
8	Brussels	-	-	-	-	-	30.41	?	46	-	+3	NE	1	bc	-	r	-	55	39	-
..	Corunna	30.04	68	SSE	3	0	30.04	+.07	62	61	-2	WNW	1	r	2	0	-	75	59	0.12
9	Nice	30.03	65	S	2	0	30.23	+.35	61	-	-3	E	4	0	4	0	-	73	57	-
..	Corunna	30.04	66	S	2	0	30.13	+.09	63	59	+1	SW	3	6	2	0	-	68	59	0.20
10	Corunna	30.15	66	W	3	c	30.17	+.04	64	62	+1	SSW	3	0	2	c	-	68	61	-
..	Azores (P. Delgada)	29.57	66	WSW	4	c	29.73	+.12	67	65	+2	WSW	4	c	4	c	-	72	63	0.08
11	Corunna	30.12	72	SSW	3	0	30.01	-.16	66	63	+2	S	3	0	0	0	-	77	63	0.32
..	Lisbon	29.90	72	WSW	5	0	30.16	-.01	67	65	0	SW	2	c	-	0	-	81	66	-
12	Corunna	30.00	72	SSW	4	bc	29.97	-.04	68	65	+2	SW	4	bc	3	bc	-	72	64	-
..	Lisbon	30.20	67	WSW	3	c	30.21	+.05	66	66	-1	WSW	3	0	-	c	-	73	64	-
13	Corunna	29.90	68	W	5	0	29.93	-.04	63	62	-5	SW	3	r	6	0	-	70	52	0.75
14	Lisbon	29.86	68	S	4	0	29.97	-.26	68	67	+1	SSW	4	0	-	0	-	73	66	0.04
15	Cape Gris Nez	30.14	46	E	1	c	30.15	+.05	38	-	-11	SE	3	c	4	c	-	57	36	-
16	Lisbon	29.91	66	SW	4	bc	29.75	-.08	67	66	+1	SSE	5	r	-	bc	-	70	64	0.08
17	Lisbon	29.73	65	SSW	5	0	29.74	-.01	66	63	-1	WSW	3	bc	-	0	-	70	63	1.22
18	Lisbon	29.88	64	N	3	6	29.95	+.21	64	62	-2	NNE	4	6	-	6	-	70	63	0.04
-	Azores (P. Delgada)	29.53	69	S	8	0	29.65	-.22	65	60	-2	SW	4	bc	6	0	-	72	59	0.32
19	Brussels	-	-	-	-	-	30.45	+.07	38	-	-2	ESE	1	6	-	0	-	59	32	-
..	Corunna	30.00	64	N	1	c	29.99	-	58	55	-	N	1	c	2	c	-	68	54	-
20	Corunna	29.88	70	N	3	6	29.97	-.02	61	57	+3	E	3	6	2	6	-	70	57	-
21	Corunna	29.99	69	E	1	6	30.16	+.19	66	62	+5	ESE	2	bm	2	6	-	79	59	?1.58
22	Christiansund	30.50	42	NNW	4	0	30.28	+.05	39	-	0	WSW	4	bc	4	0	-	?	34	0.08
23	Corunna	30.27	71	E	3	c	30.16	-.16	64	63	0	E	1	f	2	c	-	81	61	0.16
-	Lisbon	30.26	?	SW	1	0	30.22	-.10	65	64	+3	NNE	1	0	-	0	-	73	62	-
24	Azores (P. Delgada)	30.05	63	N	2	c	30.02	-.04	64	62	+1	NNE	4	c	3	c	-	68	61	0.04
25	Hernösand	29.20	27	N	8	S	29.69	+.64	27	25	-9	NNW	6	bc	-	S	-	45	23	0.04
..	Stockholm	29.17	41	WNW	6	0	29.51	+.21	32	31	-14	NW	9	0	-	0	-	52	32	0.04
..	Visby	29.24	45	W	9	0	29.48	.00	38	34	-9	NNW	9	0	-	0	-	50	38	-
..	Karlstad	29.45	41	NW	8	bc	29.84	+.57	36	33	-12	NNE	8	6	-	bc	-	-	-	-
..	Boö	29.78	27	ENE	4	bc	30.04	+.73	27	25	-2	ENE	2	6	1	bc	-	30	25	-
..	Christiansund	29.91	41	NW	6	S	30.13	+.98	36	33	-5	ENE	2	S	4	S	-	41	34	0.28
..	Skudesnaes	30.01	42	NNW	9	c	30.19	+.50	37	35	-6	NNW	4	c	3	c	-	46	37	-
26	Corunna	30.17	?	SE	?	?	30.14	-	66	63	-	SE	3	0	2	?	-	75	63	-
..	Lisbon	30.15	71	SE	1	0	30.13	-.02	69	63	+4	NNE	4	0	-	0	-	77	65	-
..	Azores (P. Delgada)	30.02	64	NNE	5	c	30.01	-.01	63	61	-1	N	3	c	2	c	-	68	63	0.04
27	Lisbon	30.01	71	NE	3	6	29.99	-.10	66	63	0	NNE	3	bc	3	6	-	77	63	-
28	Corunna	29.92	70	SW	3	f	30.08	-	59	57	-	SW	1	f	5	f	-	75	57	0.08
..	Azores (P. Delgada)	30.20	61	NNE	2	bc	30.16	+.07	62	58	0	SSW	4	bc	3	bc	-	68	55	-
29	Corunna	30.13	63	N	4	6	30.11	+.03	59	57	0	E	1	6	3	6	-	64	55	-
30	Corunna	30.13	66	NNW	3	6	29.97	-.14	64	61	+5	SW	3	r	5	6	-	68	59	0.04
..	Lisbon	30.15	67	W	0	6	30.16	+.03	65	64	0	W	0	bc	-	6	-	73	64	-
..	Azores (P. Delgada)	30.09	67	SSW	4	0	30.13	+.05	64	63	-2	NNE	5	r	4	0	-	70	63	0.35
31	Corunna	29.97	66	SSW	3	0	30.12	+.15	57	55	-7	NE	3	0	5	0	-	68	54	0.43
..	Azores (P. Delgada)	30.36	60	NE	3	6	30.34	+.21	59	54	-5	NNE	3	c	3	6	-	68	55	-